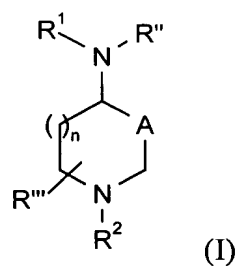


# Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

## Listing of Claims:

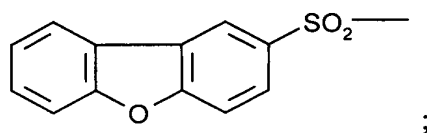
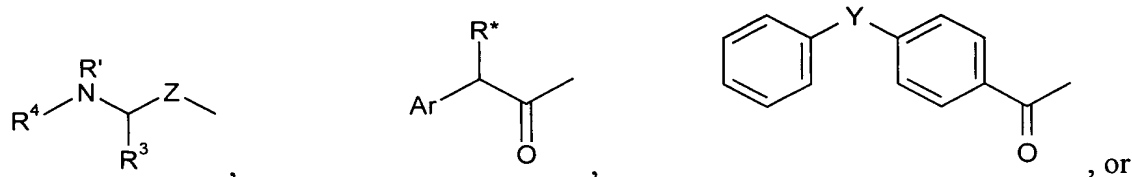
1. (Currently amended) A compound according to formula (I):



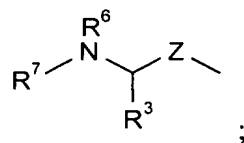
wherein:

A is C(O) or CH(OH);

R¹ is



R² is H, C<sub>1-6</sub>alkyl, C<sub>3-6</sub>cycloalkyl-C<sub>0-6</sub>alkyl, Ar-C<sub>0-6</sub>alkyl, Het-C<sub>0-6</sub>alkyl, R<sup>5</sup>C(O)-, R<sup>5</sup>C(S)-, R<sup>5</sup>SO<sub>2</sub>-, R<sup>5</sup>OC(O)-, R<sup>5</sup>R'NC(O)-, R<sup>5</sup>R'NC(S)-, adamantyl-C(O)-, or



R'' is H, C<sub>1-6</sub>alkyl, Ar-C<sub>0-6</sub>alkyl, or Het-C<sub>0-6</sub>alkyl;

R''' is H, C<sub>1-6</sub>alkyl, C<sub>3-6</sub>cycloalkyl-C<sub>0-6</sub>alkyl, Ar-C<sub>0-6</sub>alkyl, or Het-C<sub>0-6</sub>alkyl;

each  $R^3$  independently is H, C<sub>2-6</sub>alkenyl, C<sub>2-6</sub>alkynyl, Het, Ar or C<sub>1-6</sub>alkyl optionally substituted by OR', SR', NR'<sub>2</sub>, R'NC(O)OR<sup>5</sup>, CO<sub>2</sub>R', CO<sub>2</sub>NR'<sub>2</sub>, N(C=NH)NH<sub>2</sub>, Het or Ar;

$R^4$  is H, C<sub>1-6</sub>alkyl, C<sub>3-6</sub>cycloalkyl-C<sub>0-6</sub>alkyl, Ar-C<sub>0-6</sub>alkyl, Het-C<sub>0-6</sub>alkyl, R<sup>5</sup>C(O)-, R<sup>5</sup>C(S)-, R<sup>5</sup>SO<sub>2</sub>-, R<sup>5</sup>OC(O)-, R<sup>5</sup>R'NC(O)-, R<sup>5</sup>R'NC(S)-, R'HNCH(R')C(O)-, or R<sup>5</sup>OC(O)NR'CH(R')C(O)-;

each  $R^5$  independently is C<sub>3-6</sub>cycloalkyl-C<sub>0-6</sub>alkyl, Ar-C<sub>0-6</sub>alkyl, Het-C<sub>0-6</sub>alkyl, Ar-C<sub>0-6</sub>alkoxy, Het-C<sub>0-6</sub>alkoxy, or C<sub>1-6</sub>alkyl ~~optionally substituted by OR', SR', NR'<sub>2</sub>, R'NC(O)OR<sup>5</sup>, CO<sub>2</sub>R', CO<sub>2</sub>NR'<sub>2</sub>, N(C=NH)NH<sub>2</sub>, Het or Ar;~~

$R^6$  is H, C<sub>1-6</sub>alkyl, Ar-C<sub>0-6</sub>alkyl, or Het-C<sub>0-6</sub>alkyl; and

$R^7$  is H, C<sub>1-6</sub>alkyl, C<sub>3-6</sub>cycloalkyl-C<sub>0-6</sub>alkyl, Ar-C<sub>0-6</sub>alkyl, Het-C<sub>0-6</sub>alkyl, R<sup>5</sup>C(O)-, R<sup>5</sup>C(S)-, R<sup>5</sup>SO<sub>2</sub>-, R<sup>5</sup>OC(O)-, R<sup>5</sup>R'NC(O)-, R<sup>5</sup>R'NC(S)-, R'HNCH(R')C(O)-, or R<sup>5</sup>OC(O)NR'CH(R')C(O)-; or

$R^6$  and  $R^7$  are connected to form a pyrrolidine, a piperidine, or a morpholine ring;

each R' independently is H, C<sub>1-6</sub>alkyl, Ar-C<sub>0-6</sub>alkyl, or Het-C<sub>0-6</sub>alkyl; or phenyl or naphthyl substituted by one to three moieties selected from C<sub>1-4</sub>alkyl, OR', N(R')<sub>2</sub>, SR', CF<sub>3</sub>, NO<sub>2</sub>, CN, CO<sub>2</sub>R', CON(R'), F, Cl, Br and I, or substituted by a methylenedioxy group.;

R\* is H, C<sub>1-6</sub>alkyl, C<sub>3-6</sub>cycloalkyl-C<sub>0-6</sub>alkyl, Ar-C<sub>0-6</sub>alkyl, or Het-C<sub>0-6</sub>alkyl;

Y is a single bond or O;

each Z independently is CO or CH<sub>2</sub>; and

n is 0, 1, or 2;

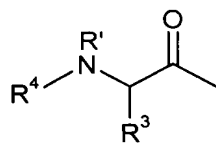
wherein each Ar is independently unsubstituted phenyl or naphthyl; or phenyl or naphthyl substituted by one or more of Ph-C<sub>0-6</sub>alkyl, Het-C<sub>0-6</sub>alkyl, C<sub>1-6</sub>alkoxy, Ph-C<sub>0-6</sub>alkoxy, Het-C<sub>0-6</sub>alkoxy, OH, (CH<sub>2</sub>)<sub>1-6</sub>NR'R', O(CH<sub>2</sub>)<sub>1-6</sub>NR'R'; wherein each R' independently is as defined above;

wherein each Het is independently a stable 5- to 7-membered monocyclic or a stable 7- to 10-membered bicyclic heterocyclic ring, which is saturated or unsaturated, and which consists of carbon atoms and from one to four heteroatoms selected from the group consisting of N, O and S; wherein the nitrogen and sulfur heteroatoms may optionally be oxidized, and the nitrogen heteroatom may optionally be quaternized, and including any bicyclic group in which any of the above-defined heterocyclic rings is fused to a benzene ring, and may optionally be substituted with one or two moieties selected from C<sub>1-4</sub>alkyl, OR', N(R')<sub>2</sub>, SR', CF<sub>3</sub>, NO<sub>2</sub>, CN, CO<sub>2</sub>R', CON(R'), F, Cl, Br and I; wherein each R' independently is as defined above; and

wherein each Het may optionally be selected from the group consisting of piperidinyl, piperazinyl, 2-oxopiperazinyl, 2-oxopiperidinyl, 2-oxopyrrolodinyl, 2-oxoazepinyl, azepinyl, pyrrolyl, 4-piperidonyl, pyrrolidinyl, pyrazolyl, pyrazolidinyl, imidazolyl, pyridyl, pyrazinyl, oxazolidinyl, oxazolinyl, oxazolyl, isoxazolyl, morpholinyl, thiazolidinyl, thiazolinyl, thiazolyl, quinuclidinyl, indolyl, quinolinyl, isoquinolinyl, benzimidazolyl, benzopyranyl, benzoxazolyl, furyl, pyranyl, tetrahydrofuryl, tetrahydropyranyl, thienyl, benzoxazolyl, thiamorpholinyl sulfoxide, thiamorpholinyl sulfone, oxadiazolyl, benzothiazolyl, benzoisothiazolyl, benzisoxazolyl, pyrimidinyl, cinnolinyl, quinazolinyl, quinoxalyl, 1,5-naphthyridinyl, 1,6-naphthyridinyl, 1,7-naphthyridinyl, 1,8-naphthyridinyl, tetrazolyl, 1,2,3-triazolyl, and 1,2,4-triazolyl;

or a pharmaceutically acceptable salt thereof.

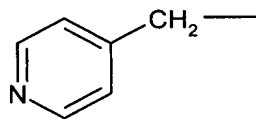
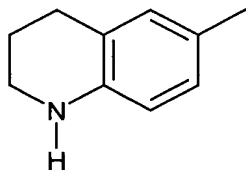
2 (Original). A compound according to claim 1 wherein R<sup>1</sup> is

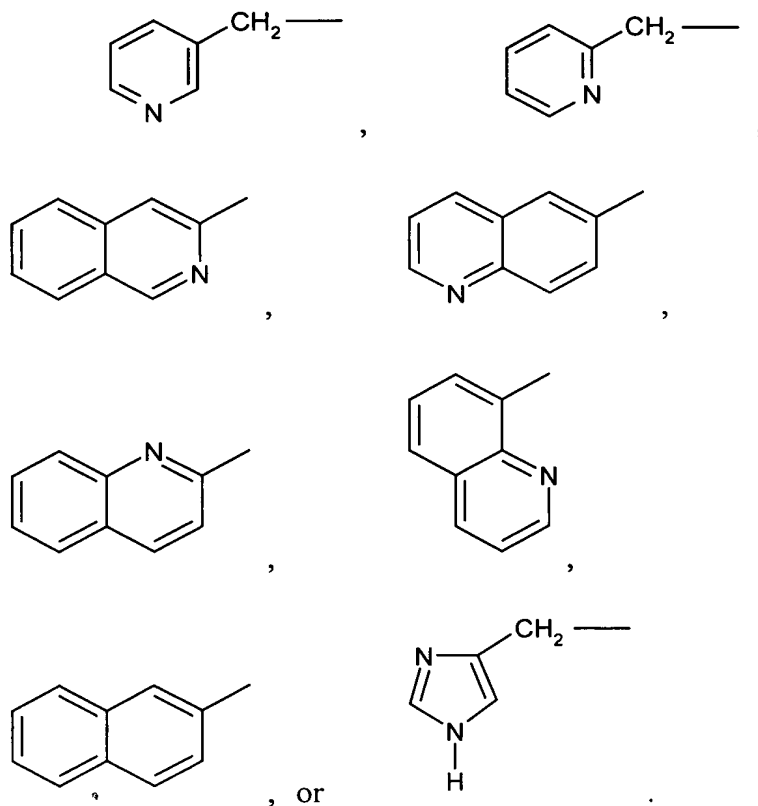


3 (Original). A compound according to claim 2 wherein R<sup>4</sup> is R<sup>5</sup>C(O)-, R<sup>5</sup>SO<sub>2</sub>-, R<sup>5</sup>OC(O)-.

4 (Original). A compound according to claim 3 wherein R<sup>5</sup> in said R<sup>1</sup> group is Ar-C<sub>0-6</sub>alkyl or Het-C<sub>0-6</sub>alkyl.

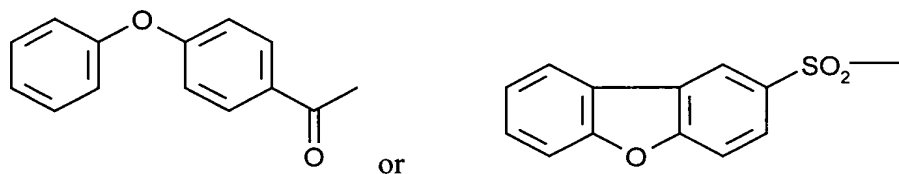
5 (Original). A compound according to claim 4 wherein R<sup>5</sup> in said R<sup>1</sup> group is phenyl or benzyl which are unsubstituted or substituted by one or two of the group consisting of Cl, Br, F, CF<sub>3</sub>, C<sub>1-4</sub>alkyl, OH, C<sub>1-4</sub>alkoxy, CN, CONH<sub>2</sub>, NH<sub>2</sub>, or NO<sub>2</sub>, or substituted by methylenedioxy; or



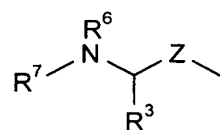


6 (Original). A compound according to claim 2 wherein, in said  $R^1$  group,  $R'$  is H or  $CH_3$  and  $R^3$  is i-butyl.

7 (Original). A compound according to claim 1 wherein  $R^1$  is



8 (Original). A compound according to claim 1 wherein  $R^2$  is



9 (Original). A compound according to claim 8 wherein  $R^7$  is  $R^5OC(O)-$ .

10 (Original). A compound according to claim 9 wherein R<sup>5</sup> in said R<sup>7</sup> group is Ar-C<sub>0-6</sub>alkyl or Het-C<sub>0-6</sub>alkyl.

11 (Original). A compound according to claim 10 wherein R<sup>5</sup> in said R<sup>7</sup> group is phenyl or benzyl which are unsubstituted or substituted by one or two of the group consisting of Cl, Br, F, CF<sub>3</sub>, C<sub>1-4</sub>alkyl, OH, C<sub>1-4</sub>alkoxy, CN, CONH<sub>2</sub>, NH<sub>2</sub>, or NO<sub>2</sub>, or substituted by methylenedioxy; or 2-, 3-, or 4-pyridyl-CH<sub>2</sub>-.

Claim 12 (Cancelled).

13 (Original). A compound according to claim 8 wherein, in said R<sup>2</sup> group, R<sup>6</sup> is H or CH<sub>3</sub> and R<sup>3</sup> is i-butyl.

Claim 14 (Cancelled).

15 (Original). A compound according to claim 1 wherein A is C(O).

16 (Original). A compound according to claim 1 which is:

(3RS,4RS)-4-[[N<sup>α</sup>-(benzyloxycarbonyl)-L-leucinyl]amino]-1-[(2S)-4-methyl-2-[[[(benzyloxycarbonyl)]amino]pentanoyl]-3-pyrrolidinol;  
4-[[N<sup>α</sup>-(benzyloxycarbonyl)-L-leucinyl]amino]-1-[(2S)-4-methyl-2-[[[(benzyloxycarbonyl)]amino]pentanoyl]-3-pyrrolidinone;  
4-[[N<sup>α</sup>-(benzyloxycarbonyl)-L-leucinyl]amino]-1-[4-(phenoxybenzamide)]-3-pyrrolidinone;  
(3RS,4RS)-4-[[N<sup>α</sup>-(benzyloxycarbonyl)-L-leucinyl]amino]-1-[4-(biphenylethanoyl)]-3-pyrrolidinol;  
4-[[N<sup>α</sup>-(benzyloxycarbonyl)-L-leucinyl]amino]-1-[4-(biphenylethanoyl)]-3-pyrrolidinone;  
(3RS,4RS)-4-[[N<sup>α</sup>-(benzyloxycarbonyl)-L-leucinyl]amino]-1-[(2S)-4-methyl-2-[[[(benzyloxycarbonyl)]aminomethyl]pentanoyl]-3-pyrrolidinol;  
4-[[N<sup>α</sup>-(benzyloxycarbonyl)-L-leucinyl]amino]-1-[(2S)-4-methyl-2-[[[(benzyloxycarbonyl)]aminomethyl]pentanoyl]-3-pyrrolidinone;  
(3RS,4RS)-4-[[N<sup>α</sup>-(benzyloxycarbonyl)-L-leucinyl]amino]-1-[(2S)-4-methyl-2-[[[(tert-butoxyoxycarbonyl)]aminomethyl]pentanoyl]-3-pyrrolidinol;  
4-[[N<sup>α</sup>-(benzyloxycarbonyl)-L-leucinyl]amino]-1-[(2S)-4-methyl-2-[[[(tert-butoxyoxycarbonyl)]aminomethyl]pentanoyl]-3-pyrrolidinone;  
4-[[N<sup>α</sup>-(benzyloxycarbonyl)-L-leucinyl]amino]-1-[(2S)-4-methyl-2-(aminomethyl)pentanoyl]-3-pyrrolidinone;  
4-[[N<sup>α</sup>-(benzyloxycarbonyl)-L-leucinyl]amino]-1-tert-butoxycarbonyl-3-pyrrolidinone;

4-[[N<sup>α</sup>-(benzyloxycarbonyl)-L-leucinyl]amino]-3-pyrrolidinone;  
4-[[N<sup>α</sup>-(benzyloxycarbonyl)-L-leucinyl]amino]-1-[(2S)-4-methyl-2-[[[(N-tert-butoxycarbonyl)ethanoyl]aminomethyl]pentanoyl]-3-pyrrolidinone];  
4-[[N<sup>α</sup>-(benzyloxycarbonyl)-L-leucinyl]amino]-1-[(2S)-4-methyl-2-[(ethanoyl)aminomethyl]pentanoyl]-3-pyrrolidinone;  
(3R,4R)-4-[[N<sup>α</sup>-(benzyloxycarbonyl)-L-leucinyl]amino]-1-[(2S)-4-methyl-2-[[[(tert-butoxycarbonyl)]amino]pentanoyl]-3-pyrrolidinol];  
4-[[N<sup>α</sup>-(benzyloxycarbonyl)-L-leucinyl]amino]-1-[(2S)-4-methyl-2-[[[(tert-butoxycarbonyl)]amino]pentanoyl]-3-pyrrolidinone];  
(3R,4R)-4-[[N<sup>α</sup>-(benzyloxycarbonyl)-L-leucinyl]amino]-1-[(2R)-4-methyl-2-[[[(benzyloxycarbonyl)]amino]pentanoyl]-3-pyrrolidinol];  
4-[[N<sup>α</sup>-(benzyloxycarbonyl)-L-leucinyl]amino]-1-[(2R)-4-methyl-2-[[[(benzyloxycarbonyl)]amino]pentanoyl]-3-pyrrolidinone];  
(3R,4R)-4-[[N<sup>α</sup>-(benzyloxycarbonyl)-L-leucinyl]amino]-1-[2-[(benzyloxycarbonyl)amino]ethanoyl]-3-pyrrolidinonol;  
4-[[[N<sup>α</sup>-(benzyloxycarbonyl)-L-leucinyl]amino]-1-[2-[(benzyloxycarbonyl)amino]ethanoyl]-3-pyrrolidinonone;  
(3R,4R)-4-[[N<sup>α</sup>-(benzyloxycarbonyl)-L-leucinyl]amino]-1-[(2S)-3-tert-butoxy-[[[(benzyloxycarbonyl)]amino]propanoyl]-3-pyrrolidinol];  
(3R,4R)-4-[[N<sup>α</sup>-(benzyloxycarbonyl)-L-leucinyl]amino]-1-[(2S)-2-[[[(benzyloxycarbonyl)]amino]propanoyl]-3-pyrrolidinol];  
4-[[N<sup>α</sup>-(benzyloxycarbonyl)-L-leucinyl]amino]-1-[(2S)-2-[[[(benzyloxycarbonyl)]amino]propanoyl]-3-pyrrolidinone];  
(3R,4R)-4-[[N<sup>α</sup>-(benzyloxycarbonyl)-L-leucinyl]amino]-1-[cyclohexanepropanoyl]-3-pyrrolidinol;  
4-[[N<sup>α</sup>-(benzyloxycarbonyl)-L-leucinyl]amino]-1-[cyclohexanepropanoyl]-3-pyrrolidinone;  
(3R,4R)-4-[[N<sup>α</sup>-(benzyloxycarbonyl)-L-leucinyl]amino]-1-[(2S)-4-methyl-2-[[[(4-pyridinylmethoxycarbonyl)]amino]pentanoyl]-3-pyrrolidinol];  
4-[[N<sup>α</sup>-(benzyloxycarbonyl)-L-leucinyl]amino]-1-[(2S)-4-methyl-2-[[[(4-pyridinylmethoxycarbonyl)]amino]pentanoyl]-3-pyrrolidinone];  
(3R,4R)-4-[[N<sup>α</sup>-(benzyloxycarbonyl)-L-leucinyl]amino]-1-[(2S)-4-methyl-2-[[[(2-pyridinylmethoxycarbonyl)]amino]pentanoyl]-3-pyrrolidinol];  
4-[[N<sup>α</sup>-(benzyloxycarbonyl)-L-leucinyl]amino]-1-[(2S)-4-methyl-2-[[[(2-pyridinylmethoxycarbonyl)]amino]pentanoyl]-3-pyrrolidinone];  
(3R,4R)-4-[[N<sup>α</sup>-(benzyloxycarbonyl)-L-leucinyl]amino]-1-[(2S)-4-methyl-2-[[[(3-pyridinylmethoxycarbonyl)]amino]pentanoyl]-3-pyrrolidinol];  
4-[[N<sup>α</sup>-(benzyloxycarbonyl)-L-leucinyl]amino]-1-[(2S)-4-methyl-2-[[[(3-pyridinylmethoxycarbonyl)]amino]pentanoyl]-3-pyrrolidinone];  
(3R,4R)-4-[[N<sup>α</sup>-(benzyloxycarbonyl)-L-leucinyl]amino]-1-(2-pyridylcarbonyl)-3-pyrrolidinol;

4-[[N<sup>α</sup>-(benzyloxycarbonyl)-L-leucinyl]amino]-1-(2-pyridylcarbonyl)-3-pyrrolidinone;  
(3RS,4RS)-4-[[N<sup>α</sup>-(benzyloxycarbonyl)-L-leucinyl]amino]-1-[(2S)-4-methyl-2-[[[(benzyloxycarbonyl)]amino]pentanoyl]-3-piperidinol;  
4-[[N<sup>α</sup>-(benzyloxycarbonyl)-L-leucinyl]amino]-1-[(2S)-4-methyl-2-[[[(benzyloxycarbonyl)]amino]pentanoyl]-3-piperidinone;  
(3RS,4RS)-4-[[N<sup>α</sup>-(benzyloxycarbonyl)-L-leucinyl]amino]-1-[4-(biphenyl)ethanoyl]-3-piperidinol;  
4-[[N<sup>α</sup>-(benzyloxycarbonyl)-L-leucinyl]amino]-1-[4-(biphenyl)ethanoyl]-3-piperidinone;  
(3RS,4RS)-4-[[N<sup>α</sup>-(benzyloxycarbonyl)-L-leucinyl]amino]-1-[(2S)-4-methyl-2-[[[(benzyloxycarbonyl)]aminomethyl]pentanoyl]-3-piperidinol;  
4-[[N<sup>α</sup>-(benzyloxycarbonyl)-L-leucinyl]amino]-1-[(2S)-4-methyl-2-[[[(benzyloxycarbonyl)]aminomethyl]pentanoyl]-3-piperidinone;  
4-[[N<sup>α</sup>-(benzyloxycarbonyl)-L-leucinyl]amino]-1-tert-butoxycarbonyl-3-piperidinone;  
(3RS,4RS)-4-[[N<sup>α</sup>-(benzyloxycarbonyl)-L-leucinyl]amino]-1-[2-[[[(benzyloxycarbonyl)]iso-butylamino]ethanoyl]-3-piperidinol;  
4-[[N<sup>α</sup>-(benzyloxycarbonyl)-L-leucinyl]amino]-1-[2-[[[(benzyloxycarbonyl)]iso-butylamino]ethanoyl]-3-piperidinone;  
(3RS,4RS)-4-[[N<sup>α</sup>-(benzyloxycarbonyl)-L-leucinyl]amino]-1-[2-[(tert-butoxycarbonyl)amino]ethanoyl]-3-piperidinol;  
4-[[N<sup>α</sup>-(benzyloxycarbonyl)-L-leucinyl]amino]-1-[2-[(tert-butoxycarbonyl)amino]ethanoyl]-3-piperidinone;  
4-[[N<sup>α</sup>-(benzyloxycarbonyl)-L-leucinyl]amino]-1-[2-(amino)ethanoyl]-3-piperidinone;  
(3RS,4RS)-4-[[N<sup>α</sup>-(benzyloxycarbonyl)-L-leucinyl]amino]-1-(4-methylpentanoyl)-3-piperidinol;  
4-[[N<sup>α</sup>-(benzyloxycarbonyl)-L-leucinyl]amino]-1-(4-methylpentanoyl)-3-piperidinone;  
(3RS,4RS)-4-[[N<sup>α</sup>-(benzyloxycarbonyl)-L-leucinyl]amino]-1-(benzoyl)-3-piperidinol;  
4-[[N<sup>α</sup>-(benzyloxycarbonyl)-L-leucinyl]amino]-1-(benzoyl)-3-piperidinone;  
(3RS,4RS)-4-[[N<sup>α</sup>-(benzyloxycarbonyl)-L-leucinyl]amino]-1-(acetyl)-3-piperidinol;  
4-[[N<sup>α</sup>-(benzyloxycarbonyl)-L-leucinyl]amino]-1-(acetyl)-3-piperidinone;  
(3RS,4RS)-4-[[N<sup>α</sup>-(benzyloxycarbonyl)-L-leucinyl]amino]-1-(2-pyridoxyacetyl)-3-piperidinol;  
4-[[N<sup>α</sup>-(benzyloxycarbonyl)-L-leucinyl]amino]-1-(2-pyridoxyacetyl)-3-piperidinone;  
(3RS,4RS)-4-[[N<sup>α</sup>-(benzyloxycarbonyl)-L-leucinyl]amino]-1-[2-[(benzyloxycarbonyl)methylamino]ethanoyl]-3-piperidinol;

4-[[N<sup>α</sup>-(benzyloxycarbonyl)-L-leuciny]amino]-1-[2-[(benzyloxycarbonyl)methylamino]ethanoyl]-3-piperidinone;  
(3RS,4RS)-4-[[N<sup>α</sup>-(benzyloxycarbonyl)-L-leuciny]amino]-1-[3-(2-pyridyl)phenylacetyl]-3-piperidinol;  
4-[[N<sup>α</sup>-(benzyloxycarbonyl)-L-leuciny]amino]-1-[3-(2-pyridyl)phenylacetyl]-3-piperidinone;  
(3RS,4RS)-4-[[N<sup>α</sup>-(benzyloxycarbonyl)-L-leuciny]amino]-1-[2-[(benzyloxycarbonyl)methylamino]ethanoyl]-3-pyrrolidinol;  
4-[[N<sup>α</sup>-(benzyloxycarbonyl)-L-leuciny]amino]-1-[2-[(benzyloxycarbonyl)methylamino]ethanoyl]-3-pyrrolidinone;  
(3RS,4RS)-4-[[N<sup>α</sup>-(benzyloxycarbonyl)-L-leuciny]amino]-1-[2-(phenoxy)ethanoyl]-3-pyrrolidinol;  
4-[[N<sup>α</sup>-(benzyloxycarbonyl)-L-leuciny]amino]-1-[2-(phenoxy)ethanoyl]-3-pyrrolidinone;  
(3RS,4RS)-4-[[N<sup>α</sup>-(4-pyridinylmethoxycarbonyl)-L-leuciny]amino]-1-[(2-phenyl)ethanoyl]-3-pyrrolidinol;  
4-[[N<sup>α</sup>-(4-pyridinylmethoxycarbonyl)-L-leuciny]amino]-1-[(2-phenyl)ethanoyl]-3-pyrrolidinone;  
(3RS,4RS)-4-[[N<sup>α</sup>-(4-pyridinylmethoxycarbonyl)-L-leuciny]amino]-1-ethanoyl-3-pyrrolidinol;  
4-[[N<sup>α</sup>-(4-pyridinylmethoxycarbonyl)-L-leuciny]amino]-1-ethanoyl-3-pyrrolidinone;  
(3RS,4RS)-4-[[N<sup>α</sup>-(4-pyridinylmethoxycarbonyl)-L-leuciny]amino]-1-(4-cyanobenzoyl)-3-pyrrolidinol;  
4-[[N<sup>α</sup>-(4-pyridinylmethoxycarbonyl)-L-leuciny]amino]-1-(4-cyanobenzoyl)-3-pyrrolidinone;  
(3RS,4RS)-4-[[N<sup>α</sup>-(4-pyridinylmethoxycarbonyl)-L-leuciny]amino]-1-tert-butoxycarbonyl-3-pyrrolidinol;  
4-[[N<sup>α</sup>-(4-pyridinylmethoxycarbonyl)-L-leuciny]amino]-1-tert-butoxycarbonyl-3-pyrrolidinone;  
(3RS,4RS)-4-[[N<sup>α</sup>-3-pyridinylmethoxycarbonyl)-L-leuciny]amino]-1-tert-butoxycarbonyl-3-pyrrolidinol;  
4-[[N<sup>α</sup>-(3-pyridinylmethoxycarbonyl)-L-leuciny]amino]-1-tert-butoxycarbonyl-3-pyrrolidinone;  
4-[[N<sup>α</sup>-(3-pyridinylmethoxycarbonyl)-L-leuciny]amino]-3-pyrrolidinone;  
4-[[N<sup>α</sup>-(4-pyridinylmethoxycarbonyl)-L-leuciny]amino]-3-pyrrolidinone;  
(3RS,4RS)-4-[[N<sup>α</sup>-(2-pyridinylmethoxycarbonyl)-L-leuciny]amino]-1-[(2S)-4-methyl-2-[(benzyloxycarbonyl)]aminomethyl]pentanoyl]-3-pyrrolidinone;  
4-[[N<sup>α</sup>idiny]methoxycarbonyl)-L-leuciny]amino]-1-[(2S)-4-methyl-2-[(benzyloxycarbonyl)]aminomethyl]pentanoyl]-3-pyrrolidinone;  
(3RS,4RS)-4-[[N<sup>α</sup>-(4-pyridinylmethoxycarbonyl)-L-leuciny]amino]-1-[(2S)-4-methyl-2-[(4-pyridinylmethoxycarbonyl)]amino]pentanoyl]-3-pyrrolidinol;



4-[[N<sup>α</sup>-(4-pyridinylmethoxycarbonyl)-L-leuciny]amino]-1-[(2S)-4-methyl-2-[[[(4-pyridinylmethoxycarbonyl)]amino]pentanoyl]-3-pyrrolidinone;  
(3RS,4RS)-4-[[N<sup>α</sup>-(4-pyridinylmethoxycarbonyl)-L-leuciny]amino]-1-[(2S)-4-methyl-2-[[[(benzyloxycarbonyl)]aminomethyl]pentanoyl]-3-pyrrolidinol;  
4-[[N<sup>α</sup>-(4-pyridinylmethoxycarbonyl)-L-leuciny]amino]-1-[(2S)-4-methyl-2-[[[(benzyloxycarbonyl)]aminomethyl]pentanoyl]-3-pyrrolidinone;  
(3RS,4RS)-4-[[N<sup>α</sup>-(3-isoquinolinecarbonyl)-L-leuciny]amino]-1-[(2S)-4-methyl-2-[[[(benzyloxycarbonyl)]amino]pentyl]-3-pyrrolidinol;  
4-[[N<sup>α</sup>-(3-isoquinolinecarbonyl)-L-leuciny]amino]-1-[(2S)-4-methyl-2-[[[(benzyloxycarbonyl)]amino]pentyl]-3-pyrrolidinone;  
(3RS,4RS)-4-[[N<sup>α</sup>-(4-pyridinylmethoxycarbonyl)-L-leuciny]amino]-1-[1-(adamantyl)carbonyl]-3-pyrrolidinol;  
4-[[N<sup>α</sup>-(4-pyridinylmethoxycarbonyl)-L-leuciny]amino]-1-[1-(adamantyl)carbonyl]-3-pyrrolidinone;  
(3RS,4RS)-4-[[N<sup>α</sup>-(benzyloxycarbonyl)-L-leuciny]amino]-1-(4-methylpentanoyl)-3-pyrrolidinol;  
4-[[N<sup>α</sup>-(benzyloxycarbonyl)-L-leuciny]amino]-1-(4-methylpentanoyl)-3-pyrrolidinone;  
(3RS,4RS)-4-[[N<sup>α</sup>-(benzyloxycarbonyl)-D-leuciny]amino]-1-[(2S)-4-methyl-2-[[[(benzyloxycarbonyl)]amino]pentanoyl]-3-piperidinol;  
4-[[N<sup>α</sup>-(benzyloxycarbonyl)-D-leuciny]amino]-1-[(2S)-4-methyl-2-[[[(benzyloxycarbonyl)]amino]pentanoyl]-3-piperidinone;  
(3RS,4RS)-4-[[N<sup>α</sup>-(tert-butoxycarbonyl)-L-leuciny]amino]-1-[(2S)-4-methyl-2-[[[(benzyloxycarbonyl)]amino]pentanoyl]-3-piperidinol;  
4-[[N<sup>α</sup>-(tert-butoxycarbonyl)-L-leuciny]amino]-1-[(2S)-4-methyl-2-[[[(benzyloxycarbonyl)]amino]pentanoyl]-3-piperidinone;  
(3RS,4RS)-4-[[N<sup>α</sup>-(benzyloxycarbonyl)-N<sup>ε</sup>-(tert-butoxycarbonyl)-L-lysine]amino]-1-[(2S)-4-methyl-2-[[[(benzyloxycarbonyl)]amino]pentanoyl]-3-piperidinol;  
4-[[N<sup>α</sup>-(benzyloxycarbonyl)-N<sup>ε</sup>-(tert-butoxycarbonyl)-L-lysine]amino]-1-[(2S)-4-methyl-2-[[[(benzyloxycarbonyl)]amino]pentanoyl]-3-piperidinone;  
(3RS,4RS)-4-[[N<sup>α</sup>-(4-pyridinylmethoxycarbonyl)-L-leuciny]amino]-1-tert-butoxycarbonyl-3-piperidinol;  
4-[[N<sup>α</sup>-(4-pyridinylmethoxycarbonyl)-L-leuciny]amino]-1-tert-butoxycarbonyl-3-piperidinone;  
(3RS,4RS)-4-[[N<sup>α</sup>-(4-pyridinylmethoxycarbonyl)-L-leuciny]amino]-1-(4-methylpentanoyl)-3-piperidinol;  
4-[[N<sup>α</sup>-(4-pyridinylmethoxycarbonyl)-L-leuciny]amino]-1-(4-methylpentanoyl)-3-piperidinone;  
(3RS,4RS)-4-[[N<sup>α</sup>-(4-pyridinylmethoxycarbonyl)-L-leuciny]amino]-1-[2-(benzyloxycarbonyl)]iso-butylamino]ethanoyl]-3-piperidinol;

4-[[N<sup>α</sup>-(4-pyridinylmethoxycarbonyl)-L-leuciny]amino]-1-[2-(benzyloxycarbonyl)]iso-butylamino]ethanoyl]-3-piperidinone;  
(3RS,4RS)-4-[[N-2-(benzyloxycarbonyl)]iso-butylamino]ethanoyl]-1-[(2S)-4-methyl-2-[[[(benzyloxycarbonyl)]amino]pentanoyl]-3-piperidinol;  
4-[[N-2-(benzyloxycarbonyl)]iso-butylamino]ethanoyl]-1-[(2S)-4-methyl-2-[[[(benzyloxycarbonyl)]amino]pentanoyl]-3-piperidinone;  
(3RS,4RS)-4-[[N<sup>α</sup>-(benzyloxycarbonyl)-L-leuciny]amino]-1-(methanesulphonyl)-3-piperidinol;  
4-[[N<sup>α</sup>-(benzyloxycarbonyl)-L-leuciny]amino]-1-(methanesulphonyl)-3-piperidinone;  
(3RS,4RS)-4-[[N<sup>α</sup>-(benzyloxycarbonyl)-L-leuciny]amino]-1-(phenylsulphonyl)-3-piperidinol;  
4-[[N<sup>α</sup>-(benzyloxycarbonyl)-L-leuciny]amino]-1-(phenylsulphonyl)-3-piperidinone;  
(3RS,4RS)-4-[[N<sup>α</sup>-(4-pyridinylmethoxycarbonyl)-L-leuciny]amino]-1-(8-quinolinesulphonyl)-3-pyrrolidinol;  
4-[[N<sup>α</sup>-(4-pyridinylmethoxycarbonyl)-L-leuciny]amino]-1-(8-quinolinesulphonyl)-3-pyrrolidinone;  
(3RS,4RS)-4-[[N<sup>α</sup>-(4-pyridinylmethoxycarbonyl)-L-leuciny]amino]-1-(2-pyridylsulphonyl)-3-pyrrolidinone;  
4-[[N<sup>α</sup>-(4-pyridinylmethoxycarbonyl)-L-leuciny]amino]-1-(2-pyridylsulphonyl)-3-pyrrolidinone;  
(3RS,4RS)-4-[[N<sup>α</sup>-(4-pyridinylmethoxycarbonyl)-L-leuciny]amino]-1-[(2-propoxy)carbonyl]-3-pyrrolidinol;  
4-[[N<sup>α</sup>-(4-pyridinylmethoxycarbonyl)-L-leuciny]amino]-1-[(2-propoxy)carbonyl]-3-pyrrolidinone;  
(3RS,4RS)-4-[[N<sup>α</sup>-(4-pyridinylmethoxycarbonyl)-L-leuciny]amino]-1-[(3-methyl-1-propoxy)carbonyl]-3-pyrrolidinol;  
4-[[N<sup>α</sup>-(4-pyridinylmethoxycarbonyl)-L-leuciny]amino]-1-[(3-methyl-1-propoxy)carbonyl]-3-pyrrolidinone;  
(3RS,4RS)-4-[[N<sup>α</sup>-(benzyloxycarbonyl)-L-leuciny]amino]-1-[(4-phenoxy)phenylsulphonyl]-3-pyrrolidinol;  
4-[[N<sup>α</sup>-(benzyloxycarbonyl)-L-leuciny]amino]-1-[(4-phenoxy)phenylsulphonyl]-3-pyrrolidinone;  
(3RS,4RS)-4-[[N<sup>α</sup>-(benzyloxycarbonyl)-L-leuciny]amino]-1-[(4-phenoxy)phenylsulphonyl]-3-piperidinol;  
4-[[N<sup>α</sup>-(benzyloxycarbonyl)-L-leuciny]amino]-1-[(4-phenoxy)phenylsulphonyl]-3-piperidinone;  
(3RS,4RS)-4-[[N<sup>α</sup>-(3,4-dichlorobenzoyl)-L-leuciny]amino]-1-[(2S)-4-methyl-2-[[[(benzyloxycarbonyl)]amino]pentyl]-3-pyrrolidinol;  
4-[[N<sup>α</sup>-(3,4-dichlorobenzoyl)-L-leuciny]amino]-1-[(2S)-4-methyl-2-[[[(benzyloxycarbonyl)]amino]pentyl]-3-pyrrolidinone;

(3RS,4RS)-4-[[N<sup>α</sup>-(6-quinolinecarbonyl)-L-leuciny]amino]-1-[(2S)-4-methyl-2-[[[(benzyloxycarbonyl)]amino]pentyl]-3-pyrrolidinol];  
4-[[N<sup>α</sup>-(6-quinolinecarbonyl)-L-leuciny]amino]-1-[(2S)-4-methyl-2-[[[(benzyloxycarbonyl)]amino]pentyl]-3-pyrrolidinone];  
(3RS,4RS)-4-[(2-dibenzofuransulphonyl)amino]-1-[(2S)-4-methyl-2-[[[(benzyloxycarbonyl)]amino]pentanoyl]-3-pyrrolidinol];  
4-[(2-dibenzofuransulphonyl)amino]-1-[(2S)-4-methyl-2-[[[(benzyloxycarbonyl)]amino]pentanoyl]-3-pyrrolidinone];  
(3RS,4RS)-4-[(2-dibenzofuransulphonyl)amino]-1-[(2S)-4-methyl-2-[[[(benzyloxycarbonyl)]methylamino]pentanoyl]-3-pyrrolidinol];  
4-[(2-dibenzofuransulphonyl)amino]-1-[(2S)-4-methyl-2-[[[(benzyloxycarbonyl)]methylamino]pentanoyl]-3-pyrrolidinone];  
(3RS,4RS)-4-[[N<sup>α</sup>-(benzyloxycarbonyl)-L-leuciny]amino]-1-(4-methylpentyl)-3-piperidinol;  
4-[[N<sup>α</sup>-(benzyloxycarbonyl)-L-leuciny]amino]-1-(4-methylpentyl)-3-piperidinone;  
(3RS,4RS)-4-[[N<sup>α</sup>-(2-pyridylcarbonyl)-L-leuciny]amino]-1-(4-methylpentyl)-3-piperidinol;  
4-[[N<sup>α</sup>-(2-pyridylcarbonyl)-L-leuciny]amino]-1-(4-methylpentyl)-3-piperidinone;  
(3RS,4RS)-4-[[N<sup>α</sup>-(3-chlorobenzoyl)-L-leuciny]amino]-1-(4-methylpentyl)-3-piperidinol;  
4-[[N<sup>α</sup>-(3-chlorobenzoyl)-L-leuciny]amino]-1-(4-methylpentyl)-3-piperidinone;  
(3RS,4RS)-4-[[N<sup>α</sup>-(2-quinolinecarbonyl)-L-leuciny]amino]-1-(4-methylpentyl)-3-piperidinol;  
4-[[N<sup>α</sup>-(2-quinolinecarbonyl)-L-leuciny]amino]-1-(4-methylpentyl)-3-piperidinone;  
(3RS,4RS)-4-[[N<sup>α</sup>-(3,4-dichlorobenzoyl)-L-leuciny]amino]-1-(4-methylpentyl)-3-piperidinol;  
4-[[N<sup>α</sup>-(3,4-dichlorobenzoyl)-L-leuciny]amino]-1-(4-methylpentyl)-3-piperidinone;  
(3RS,4RS)-4-[[N<sup>α</sup>-(8-quinolinecarbonyl)-L-leuciny]amino]-1-(4-methylpentyl)-3-piperidinol;  
4-[[N<sup>α</sup>-(8-quinolinecarbonyl)-L-leuciny]amino]-1-(4-methylpentyl)-3-piperidinone;  
(3RS,4RS)-4-[[N<sup>α</sup>-(3-isoquinolinecarbonyl)-L-leuciny]amino]-1-(4-methylpentyl)-3-piperidinol;  
4-[[N<sup>α</sup>-(3-isoquinolinecarbonyl)-L-leuciny]amino]-1-(4-methylpentyl)-3-piperidinone;  
(3RS,4RS)-4-[[N<sup>α</sup>-(2-pyridinylmethoxycarbonyl)-L-leuciny]amino]-1-(4-methylpentyl)-3-piperidinol;

4-[[N<sup>α</sup>-(2-pyridinylmethoxycarbonyl)-L-leucinyl]amino]-1-(4-methylpentyl)-3-piperidinone;  
(3RS,4RS)-4-[[N<sup>α</sup>-(acetyl)-L-leucinyl]amino]-1-(4-methylpentyl)-3-piperidinol;  
4-[[N<sup>α</sup>-(acetyl)-L-leucinyl]amino]-1-(4-methylpentyl)-3-piperidinone;  
(3RS,4RS)-4-[[N<sup>α</sup>-(p-trifluoromethylbenzenesulphonyl)-L-leucinyl]amino]-1-(4-methylpentyl)-3-piperidinol;  
4-[[N<sup>α</sup>-(p-trifluoromethylbenzenesulphonyl)-L-leucinyl]amino]-1-(4-methylpentyl)-3-piperidinone;  
(3RS,4RS)-4-[[N<sup>α</sup>-(6-quinolinecarbonyl)-L-leucinyl]amino]-1-(4-methylpentyl)-3-piperidinol;  
4-[[N<sup>α</sup>-(6-quinolinecarbonyl)-L-leucinyl]amino]-1-(4-methylpentyl)-3-piperidinone;  
(3RS,4RS)-4-[[2-(RS)-(3-biphenyl)-4-methyl]amino]pentanoyl]-1-(4-methylpentyl)-3-piperidinol;  
4-[[2-(RS)-[(3-biphenyl)-4-methyl]amino]pentanoyl]-1-(4-methylpentyl)-3-piperidinone;  
(3RS,4RS)-4-[[N<sup>α</sup>-(benzyloxycarbonyl)-L-leucinyl]amino]-1-[2-[(benzyloxycarbonyl)methylamino]ethyl]-3-piperidinol;  
4-[[N<sup>α</sup>-(benzyloxycarbonyl)-L-leucinyl]amino]-1-[2-[(benzyloxycarbonyl)methylamino]ethyl]-3-piperidinone;  
(3RS,4RS)-4-[[N<sup>α</sup>-(a-toluenesulphonyl)-L-leucinyl]amino]-1-[3-(2-pyridyl)phenylacetyl]-3-piperidinol;  
4-[[N<sup>α</sup>-(a-toluenesulphonyl)-L-leucinyl]amino]-1-[3-(2-pyridyl)phenylacetyl]-3-piperidinone;  
(3RS,4RS)-4-[[N<sup>α</sup>-(2-naphthylcarbonyl)-L-leucinyl]amino]-1-[3-(2-pyridyl)phenylacetyl]-3-piperidinone;  
4-[[N<sup>α</sup>-(2-naphthylcarbonyl)-L-leucinyl]amino]-1-[3-(2-pyridyl)phenylacetyl]-3-piperidinone;  
(3RS,4RS)-4-[[N<sup>α</sup>-(benzensulphonyl)-L-leucinyl]amino]-1-[3-(2-pyridyl)phenylacetyl]-3-piperidinol;  
4-[[N<sup>α</sup>-(benzensulphonyl)-L-leucinyl]amino]-1-[3-(2-pyridyl)phenylacetyl]-3-piperidinone;  
(3RS,4RS)-4-[[N<sup>α</sup>-(3-isoquinolinecarbonyl)-L-leucinyl]amino]-1-[3-(2-pyridyl)phenylacetyl]-3-piperidinol;  
4-[[N<sup>α</sup>-(3-isoquinolinecarbonyl)-L-leucinyl]amino]-1-[3-(2-pyridyl)phenylacetyl]-3-piperidinone;  
(3RS,4RS)-4-[3-[(2-pyridyl)phenylacetyl]amino]-1-[(2S)-4-methyl-2-[[[(benzyloxycarbonyl)]amino]pentanoyl]-3-piperidinol;  
4-[3-[(2-pyridyl)phenylacetyl]amino]-1-[(2S)-4-methyl-2-[[[(benzyloxycarbonyl)]amino]pentanoyl]-3-piperidinone;

(3RS,4RS)-4-[3-[(2-pyridyl)phenylacetyl]]amino]-1-[(2S)-4-methyl-2-[[2-pyridinylmethoxycarbonyl]]amino]pentanoyl]-3-piperidinol;  
 4-[3-[(2-pyridyl)phenylacetyl]]amino]-1-[(2S)-4-methyl-2-[[2-(pyridinylmethoxycarbonyl)]amino]pentanoyl]-3-piperidinone;  
 (3RS,4RS)-4-[[N<sup>α</sup>-(2-phenylacetyl)-L-leuciny]]amino]-1-[(2S)-4-methyl-2-[[benzyloxycarbonyl]]amino]pentyl]-3-pyrrolidinol;  
 4-[[N<sup>α</sup>-(2-phenylacetyl)-L-leuciny]]amino]-1-[(2S)-4-methyl-2-[[benzyloxycarbonyl]]amino]pentyl]-3-pyrrolidinone;  
 4-[[N<sup>α</sup>-(tert-butoxyoxycarbonyl)-L-leuciny]]amino]-1-[(2S)-4-methyl-2-[[benzyloxycarbonyl]]amino]pentyl]-3-pyrrolidinone;  
 4-[(L-leuciny)]amino]-1-[(2S)-4-methyl-2-[[benzyloxycarbonyl]]amino]pentyl]-3-pyrrolidinone;  
 (3RS,4RS)-4-[[N<sup>α</sup>-(2-quinolinecarbonyl)-L-leuciny]]amino]-1-[(2S)-4-methyl-2-[[benzyloxycarbonyl]]amino]pentyl]-3-pyrrolidinol;  
 4-[[N<sup>α</sup>-(2-quinolinecarbonyl)-L-leuciny]]amino]-1-[(2S)-4-methyl-2-[[benzyloxycarbonyl]]amino]pentyl]-3-pyrrolidinone;  
 (3RS,4RS)-4-[[N<sup>α</sup>-(piperonylcarbonyl)-L-leuciny]]amino]-1-[(2S)-4-methyl-2-[[benzyloxycarbonyl]]amino]pentyl]-3-pyrrolidinol;  
 4-[[N<sup>α</sup>-(piperonylcarbonyl)-L-leuciny]]amino]-1-[(2S)-4-methyl-2-[[benzyloxycarbonyl]]amino]pentyl]-3-pyrrolidinone;  
 (3RS,4RS)-4-[[N<sup>α</sup>-(4-fluorobenzoyl)-L-leuciny]]amino]-1-[(2S)-4-methyl-2-[[benzyloxycarbonyl]]amino]pentyl]-3-pyrrolidinol;  
 4-[[N<sup>α</sup>-(4-fluorobenzoyl)-L-leuciny]]amino]-1-[(2S)-4-methyl-2-[[benzyloxycarbonyl]]amino]pentyl]-3-pyrrolidinone;  
 (3RS,4RS)-4-[[N<sup>α</sup>-(2-pyridylcarbonyl)-L-leuciny]]amino]-1-[(2S)-4-methyl-2-[[benzyloxycarbonyl]]amino]pentyl]-3-pyrrolidinol;  
 4-[[N<sup>α</sup>-(2-pyridylcarbonyl)-L-leuciny]]amino]-1-[(2S)-4-methyl-2-[[benzyloxycarbonyl]]amino]pentyl]-3-pyrrolidinone;  
 (3RS,4RS)-4-[[N<sup>α</sup>-(2-nitro-a-toluenesulphonyl)-L-leuciny]]amino]-1-[(2S)-4-methyl-2-[[benzyloxycarbonyl]]amino]pentyl]-3-pyrrolidinol;  
 4-[[N<sup>α</sup>-(2-nitro-a-toluenesulphonyl)-L-leuciny]]amino]-1-[(2S)-4-methyl-2-[[benzyloxycarbonyl]]amino]pentyl]-3-pyrrolidinone;  
 (3RS,4RS)-4-[[N<sup>α</sup>-(8-quinolinesulphonyl)-L-leuciny]]amino]-1-[(2S)-4-methyl-2-[[benzyloxycarbonyl]]amino]pentyl]-3-pyrrolidinol;  
 4-[[N<sup>α</sup>-(8-quinolinesulphonyl)-L-leuciny]]amino]-1-[(2S)-4-methyl-2-[[benzyloxycarbonyl]]amino]pentyl]-3-pyrrolidinone;  
 (3RS,4RS)-4-[[N<sup>α</sup>-(2-naphthylcarbonyl)-L-leuciny]]aminomethyl]-1-[(2S)-4-methyl-2-[[benzyloxycarbonyl]]amino]pentyl]-3-pyrrolidinol;  
 4-[[N<sup>α</sup>-(2-naphthylcarbonyl)-L-leuciny]]aminomethyl]-1-[(2S)-4-methyl-2-[[benzyloxycarbonyl]]amino]pentyl]-3-pyrrolidinone;  
 (3RS,4RS)-4-[[N<sup>α</sup>-(2-quinolinylcarbonyl)-L-leuciny]]aminomethyl]-1-[(2S)-4-methyl-2-[[benzyloxycarbonyl]]amino]pentyl]-3-pyrrolidinol;

4-[[N<sup>α</sup>-(2-quinolinylicarbonyl)-L-leuciny]aminomethyl]-1-[(2S)-4-methyl-2-  
[[[(benzyloxycarbonyl)]amino]pentyl]-3-pyrrolidinone;  
(3RS,4RS)-4-[[N<sup>α</sup>-(phenylacetyl)-L-leuciny]amino]-1-[(2S)-4-methyl-2-  
[[[(benzyloxycarbonyl)]amino]pentyl]-3-piperidinol;  
4-[[N<sup>α</sup>-(phenylacetyl)-L-leuciny]amino]-1-[(2S)-4-methyl-2-  
[[[(benzyloxycarbonyl)]amino]pentyl]-3-piperidinone;  
(3RS,4RS)-4-[[N<sup>α</sup>-(4-pyridinylmethoxycarbonyl)-L-leuciny]amino]-1-  
[(2S)-4-methyl-2-[[[(benzyloxycarbonyl)]amino]pentyl]-3-piperidinol;  
4-[[N<sup>α</sup>-(4-pyridinylmethoxycarbonyl)-L-leuciny]amino]-1-[(2S)-4-methyl-  
2-[[[(benzyloxycarbonyl)]amino]pentyl]-3-piperidinone;  
(3RS,4RS)-4-[[N<sup>α</sup>-(4-pyridinylmethoxycarbonyl)-L-leuciny]amino]-1-  
[(2R)-4-methyl-2-[[[(benzyloxycarbonyl)]amino]pentyl]-3-piperidinol;  
4-[[N<sup>α</sup>-(4-pyridinylmethoxycarbonyl)-L-leuciny]amino]-1-[(2R)-4-methyl-  
2-[[[(benzyloxycarbonyl)]amino]pentyl]-3-piperidinone;  
(3RS,4RS)-4-[[N<sup>α</sup>-(phenylacetyl)-L-leuciny]amino]-1-[(2R)-4-methyl-2-  
[[[(benzyloxycarbonyl)]amino]pentyl]-3-piperidinol;  
4-[[N<sup>α</sup>-(phenylacetyl)-L-leuciny]amino]-1-[(2R)-4-methyl-2-  
[[[(benzyloxycarbonyl)]amino]pentyl]-3-piperidinone;  
(3RS,4RS)-4-[[N<sup>α</sup>-(4-imidazoleacetyl)-L-leuciny]amino]-1-[(2R)-4-methyl-  
2-[[[(benzyloxycarbonyl)]amino]pentyl]-3-piperidinol;  
4-[[N<sup>α</sup>-(4-imidazoleacetyl)-L-leuciny]amino]-1-[(2R)-4-methyl-2-  
[[[(benzyloxycarbonyl)]amino]pentyl]-3-piperidinone;  
(3RS,4RS)-4-[[N<sup>α</sup>-(4-imidazoleacetyl)-L-leuciny]amino]-1-[(2S)-4-methyl-  
2-[[[(benzyloxycarbonyl)]amino]pentyl]-3-piperidinol;  
4-[[N<sup>α</sup>-(4-imidazoleacetyl)-L-leuciny]amino]-1-[(2S)-4-methyl-2-  
[[[(benzyloxycarbonyl)]amino]pentyl]-3-piperidinone;  
(3RS,4RS)-4-[[N<sup>α</sup>-(4-pyridinylcarbonyl)-L-leuciny]amino]-1-[(2S)-4-  
methyl-2-[[[(benzyloxycarbonyl)]amino]pentyl]-3-piperidinol;  
4-[[N<sup>α</sup>-(4-pyridinylcarbonyl)-L-leuciny]amino]-1-[(2S)-4-methyl-2-  
[[[(benzyloxycarbonyl)]amino]pentyl]-3-piperidinone;  
4-[[N<sup>α</sup>-(tert-butoxycarbonyl)-L-leuciny]amino]-1-(benzyloxycarbonyl)-3-  
piperidinone;  
(3RS,4RS)-4-[[N<sup>α</sup>-(8-quinolinesulphonyl)-L-leuciny]amino]-1-  
(benzyloxycarbonyl)-3-piperidinol;  
4-[[N<sup>α</sup>-(8-quinolinesulphonyl)-L-leuciny]amino]-1-(benzyloxycarbonyl)-3-  
piperidinone;  
(3RS,4RS)-4-[[N<sup>α</sup>-(4-pyridinylacetyl)-L-leuciny]amino]-1-  
(benzyloxycarbonyl)-3-piperidinol;  
4-[[N<sup>α</sup>-(4-pyridinylacetyl)-L-leuciny]amino]-1-(benzyloxycarbonyl)-3-  
piperidinone;  
(3RS,4RS)-4-[[N<sup>α</sup>-(4-imidazoleacetyl)-L-leuciny]amino]-1-  
(benzyloxycarbonyl)-3-piperidinol;

4-[[N<sup>α</sup>-(4-imidazoleacetyl)-L-leuciny]amino]-1-(benzyloxycarbonyl)-3-piperidinone;  
(3RS,4RS)-4-[[N<sup>α</sup>-(4-pyridinylcarbonyl)-L-leuciny]amino]-1-(benzyloxycarbonyl)-3-piperidinol;  
4-[[N<sup>α</sup>-(4-pyridinylcarbonyl)-L-leuciny]amino]-1-(benzyloxycarbonyl)-3-piperidinone;  
(3RS,4RS)-1-benzyl-4-[[N<sup>α</sup>-(3-isoquinolinylcarbonyl)-L-leuciny]amino]-3-pyrrolidinol;  
1-benzyl-4-[[N<sup>α</sup>-(3-isoquinolinylcarbonyl)-L-leuciny]amino]-3-pyrrolidinone;  
(3RS,4RS)-1-benzyl-4-[[N<sup>α</sup>-(3,4-dichlorobenzoyl)-L-leuciny]amino]-3-pyrrolidinol;  
1-benzyl-4-[[N<sup>α</sup>-(3,4-dichlorobenzoyl)-L-leuciny]amino]-3-pyrrolidinone;  
(3RS,4RS)-1-benzyl-4-[[N<sup>α</sup>-(2-naphthylcarbonyl)-L-leuciny]aminomethyl]-3-pyrrolidinol;  
1-benzyl-4-[[N<sup>α</sup>-(2-naphthylcarbonyl)-L-leuciny]aminomethyl]-3-pyrrolidinone;  
(3RS,4RS)-1-benzyl-4-[[N<sup>α</sup>-(2-quinolinylcarbonyl)-L-leuciny]aminomethyl]-3-pyrrolidinol;  
1-benzyl-4-[[N<sup>α</sup>-(2-quinolinylcarbonyl)-L-leuciny]aminomethyl]-3-pyrrolidinone;  
(3RS,4RS)-1-benzyl-4-[[N<sup>α</sup>-(2-quinolinylcarbonyl)-L-leuciny]amino]-3-pyrrolidinol;  
1-benzyl-4-[[N<sup>α</sup>-(2-quinolinylcarbonyl)-L-leuciny]amino]-3-pyrrolidinone;  
(3RS,4RS)-1-benzyl-4-[[N<sup>α</sup>-(piperonylcarbonyl)-L-leuciny]amino]-3-pyrrolidinol;  
1-benzyl-4-[[N<sup>α</sup>-(piperonylcarbonyl)-L-leuciny]amino]-3-pyrrolidinone;  
(3RS,4RS)-1-benzyl-4-[[N<sup>α</sup>-(4-fluorobenzoyl)-L-leuciny]amino]-3-pyrrolidinol;  
1-benzyl-4-[[N<sup>α</sup>-(4-fluorobenzoyl)-L-leuciny]amino]-3-pyrrolidinone;  
(3RS,4RS)-1-benzyl-4-[[N<sup>α</sup>-(6-hydroxy-2-naphthylcarbonyl)-L-leuciny]amino]-3-pyrrolidinol;  
1-benzyl-4-[[N<sup>α</sup>-(6-hydroxy-2-naphthylcarbonyl)-L-leuciny]amino]-3-pyrrolidinone;  
(3RS,4RS)-1-benzyl-4-[[N<sup>α</sup>-(2-naphthylcarbonyl)-L-leuciny]amino]-3-pyrrolidinol;  
1-benzyl-4-[[N<sup>α</sup>-(2-naphthylcarbonyl)-L-leuciny]amino]-3-pyrrolidinone;  
(3RS,4RS)-1-benzyl-4-[[N<sup>α</sup>-(6-quinolinylcarbonyl)-L-leuciny]amino]-3-pyrrolidinol;  
1-benzyl-4-[[N<sup>α</sup>-(6-quinolinylcarbonyl)-L-leuciny]amino]-3-pyrrolidinone;  
(3RS,4RS)-1-benzyl-4-[[N<sup>α</sup>-(4-imidazoleacetyl)-L-leuciny]amino]-3-pyrrolidinol;

1-benzyl-4-[[N<sup>α</sup>-(4-imidazoleacetyl)-L-leuciny]amino]-3-pyrrolidinone;  
(3RS,4RS)-1-benzyl-4-[[N<sup>α</sup>-(4-pyridinylcarbonyl)-L-leuciny]amino]-3-pyrrolidinol;  
1-benzyl-4-[[N<sup>α</sup>-(4-pyridinylcarbonyl)-L-leuciny]amino]-3-pyrrolidinone;  
4-[[N<sup>α</sup>-(tert-butoxycarbonyl)-L-leuciny]amino]-1-benzyloxycarbonyl-3-pyrrolidinone;  
(3RS,4RS)-4-[[N<sup>α</sup>-(4-pyridinylmethoxy)carbonyl]-L-leuciny]amino]-1-[(2R)-4-methyl-2-[[benzyloxycarbonyl]amino]pentyl]-3-pyrrolidinol;  
4-[[N<sup>α</sup>-(4-pyridinylmethoxy)carbonyl]-L-leuciny]amino]-1-[(2R)-4-methyl-2-[[benzyloxycarbonyl]amino]pentyl]-3-pyrrolidinone;  
(3RS,4RS)-4-[[N<sup>α</sup>-(4-pyridinylmethoxy)carbonyl]-L-leuciny]amino]-1-[(2S)-4-methyl-2-[[tert-butoxycarbonyl]amino]pentyl]-3-pyrrolidinone;  
4-[[N<sup>α</sup>-(4-pyridinylmethoxy)carbonyl]-L-leuciny]amino]-1-[(2S)-4-methyl-2-[[tert-butoxycarbonyl]amino]pentyl]-3-pyrrolidinone;  
4-[[N<sup>α</sup>-(4-pyridinylmethoxy)carbonyl]-L-leuciny]amino]-1-[(2S)-4-methyl-2-(amino)pentyl]-3-pyrrolidinone;  
(3RS,4RS)-4-[[N<sup>α</sup>-(2-methylpropoxy)carbonyl]-L-leuciny]amino]-1-[(2S)-4-methyl-2-[[benzyloxycarbonyl]amino]pentyl]-3-pyrrolidinol;  
4-[[N<sup>α</sup>-(2-methylpropoxy)carbonyl]-L-leuciny]amino]-1-[(2S)-4-methyl-2-[[benzyloxycarbonyl]amino]pentyl]-3-pyrrolidinone;  
(3RS,4RS)-4-[[N<sup>α</sup>-(methylamino)thiocarbonyl]-L-leuciny]amino]-1-[(2S)-4-methyl-2-[[benzyloxycarbonyl]amino]pentyl]-3-pyrrolidinol;  
4-[[N<sup>α</sup>-(methylamino)thiocarbonyl]-L-leuciny]amino]-1-[(2S)-4-methyl-2-[[benzyloxycarbonyl]amino]pentyl]-3-pyrrolidinone;  
(3RS,4RS)-4-[[N<sup>α</sup>-(phenylmethylamino)carbonyl]-L-leuciny]amino]-1-[(2S)-4-methyl-2-[[benzyloxycarbonyl]amino]pentyl]-3-pyrrolidinol;  
4-[[N<sup>α</sup>-(phenylmethylamino)carbonyl]-L-leuciny]amino]-1-[(2S)-4-methyl-2-[[benzyloxycarbonyl]amino]pentyl]-3-pyrrolidinone;  
(3RS,4RS)-4-[[N<sup>α</sup>-(3,4-dichlorophenylamino)carbonyl]-L-leuciny]amino]-1-[(2S)-4-methyl-2-[[benzyloxycarbonyl]amino]pentyl]-3-pyrrolidinol;  
4-[[N<sup>α</sup>-(3,4-dichlorophenylamino)carbonyl]-L-leuciny]amino]-1-[(2S)-4-methyl-2-[[benzyloxycarbonyl]amino]pentyl]-3-pyrrolidinone;  
(3RS,4RS)-1-benzyl-4-[[N<sup>α</sup>-(3,4-dichlorophenylamino)-L-leuciny]amino]-3-pyrrolidinol;  
1-benzyl-4-[[N<sup>α</sup>-(3,4-dichlorophenylamino)-L-leuciny]amino]-3-pyrrolidinone;  
(3RS,4RS)-4-[[N<sup>α</sup>-(1,2,3,4-tetrahydro-6-quinolinecarbonyl)-L-leuciny]amino]-1-[(2S)-4-methyl-2-[(p-toluenesulphonyl)amino]pentyl]-3-pyrrolidinol;  
4-[[N<sup>α</sup>-(1,2,3,4-tetrahydro-6-quinolinecarbonyl)-L-leuciny]amino]-1-[(2S)-4-methyl-2-[(p-toluenesulphonyl)amino]pentyl]-3-pyrrolidinone;



(3RS,4RS)-4-[[N<sup>α</sup>-(1,2,3,4-tetrahydro-6-quinolinecarbonyl)-L-leuciny]amino]-1-[(2S)-4-methyl-2-[(acetyl)amino]pentyl]-3-pyrrolidinol;  
4-[[[N<sup>α</sup>-(1,2,3,4-tetrahydro-6-quinolinecarbonyl)-L-leuciny]amino]-1-[(2S)-4-methyl-2-[(acetyl)amino]pentyl]-3-pyrrolidinone;  
(3RS,4RS)-4-[[N<sup>α</sup>-(4-fluorobenzoyl)-L-leuciny]amino]-1-[(2S)-4-methyl-2-[(acetyl)amino]pentyl]-3-pyrrolidinol;  
4-[[[N<sup>α</sup>-(4-fluorobenzoyl)-L-leuciny]amino]-1-[(2S)-4-methyl-2-[(acetyl)amino]pentyl]-3-pyrrolidinone;  
(3RS,4RS)-4-[[N<sup>α</sup>-(4-fluorobenzoyl)-L-leuciny]amino]-1-[(2S)-4-methyl-2-[(p-toluenesulphonyl)amino]pentyl]-3-pyrrolidinol;  
4-[[[N<sup>α</sup>-(4-fluorobenzoyl)-L-leuciny]amino]-1-[(2S)-4-methyl-2-[(p-toluenesulphonyl)amino]pentyl]-3-pyrrolidinone;  
(3RS,4RS)-4-[[N<sup>α</sup>-(4-fluorobenzoyl)-L-leuciny]amino]-1-[(2S)-4-methyl-2-[(methanesulphonyl)amino]pentyl]-3-pyrrolidinone;  
4-[[[N<sup>α</sup>-(4-fluorobenzoyl)-L-leuciny]amino]-1-[(2S)-4-methyl-2-[(methanesulphonyl)amino]pentyl]-3-pyrrolidinone;  
(3RS,4RS)-4-[[N<sup>α</sup>-(4-fluorobenzoyl)-L-leuciny]amino]-1-[(2S)-4-methyl-2-[(a-toluenesulphonyl)amino]pentyl]-3-pyrrolidinone;  
4-[[[N<sup>α</sup>-(4-fluorobenzoyl)-L-leuciny]amino]-1-[(2S)-4-methyl-2-[(a-toluenesulphonyl)amino]pentyl]-3-pyrrolidinone;  
(3RS,4RS)-1-(2-phenethyl)-4-[[N<sup>α</sup>-(4-fluorobenzoyl)-L-leuciny]amino]-3-pyrrolidinol;  
1-(2-phenethyl)-4-[[N<sup>α</sup>-(4-fluorobenzoyl)-L-leuciny]amino]-3-pyrrolidinone;  
(3RS,4RS)-1-(2-phenethyl)-4-[[N<sup>α</sup>-(2-quinoliny]carbonyl)-L-leuciny]amino]-3-pyrrolidinol;  
1-(2-phenethyl)-4-[[N<sup>α</sup>-(2-quinoliny]carbonyl)-L-leuciny]amino]-3-pyrrolidinone;  
(3RS,4RS)-1-(2-phenethyl)-4-[[N<sup>α</sup>-(2-naphthylcarbonyl)-L-leuciny]amino]-3-pyrrolidinol;  
1-(2-phenethyl)-4-[[N<sup>α</sup>-(2-naphthylcarbonyl)-L-leuciny]amino]-3-pyrrolidinone;  
(3RS,4RS)-1-(2-phenethyl)-4-[[N<sup>α</sup>-(α-toluenesulphonyl)-L-leuciny]amino]-3-pyrrolidinol;  
1-(2-phenethyl)-4-[[N<sup>α</sup>-(α-toluenesulphonyl)-L-leuciny]amino]-3-pyrrolidinone;  
(3RS,4RS)-1-(2-phenethyl)-4-[[N<sup>α</sup>-(2-nitro-α-toluenesulphonyl)-L-leuciny]amino]-3-pyrrolidinol;  
1-(2-phenethyl)-4-[[N<sup>α</sup>-(2-nitro-α-toluenesulphonyl)-L-leuciny]amino]-3-pyrrolidinone;  
(3RS,4RS)-4-[[N<sup>α</sup>-(2-phenylacetyl)-L-leuciny]amino]-1-[(2S)-4-methyl-2-[[[4-pyridiny]carbonyl]]amino]pentyl]-3-pyrrolidinol;

4-[[N<sup>α</sup>-(2-phenylacetyl)-L-leuciny]amino]-1-[(2S)-4-methyl-2-[[4-pyridinylcarbonyl]]amino]pentyl]-3-pyrrolidinone;  
(3RS,4RS)-4-[[N<sup>α</sup>-(2-phenylacetyl)-L-leuciny]amino]-1-[(2S)-4-methyl-2-[[p-toluenesulphonyl]]amino]pentyl]-3-pyrrolidinol;  
4-[[N<sup>α</sup>-(2-phenylacetyl)-L-leuciny]amino]-1-[(2S)-4-methyl-2-[[p-toluenesulphonyl]]amino]pentyl]-3-pyrrolidinone;  
(3RS,4RS)-4-[[N<sup>α</sup>-(2-phenylacetyl)-L-leuciny]amino]-1-[(2S)-4-methyl-2-[[4-imidazoleacetyl]]amino]pentyl]-3-pyrrolidinol;  
4-[[N<sup>α</sup>-(2-phenylacetyl)-L-leuciny]amino]-1-[(2S)-4-methyl-2-[[4-imidazoleacetyl]]amino]pentyl]-3-pyrrolidinone;  
(3RS,4RS)-4-[(4-phenoxybenzoyl)amino]-1-[(2S)-4-methyl-2-[[benzyloxycarbonyl]]amino]pentanoyl]-3-pyrrolidinolycarbonyl)-L-leuciny]amino]-3-pyrrolidinol;  
1-(3-nitrobenzyl)-4-[[N<sup>α</sup>-(4-pyridinylmethoxycarbonyl)-L-leuciny]amino]-3-pyrrolidinone;  
(3RS,4RS)-1-(2-nitrobenzyl)-4-[[N<sup>α</sup>-(4-pyridinylmethoxycarbonyl)-L-leuciny]amino]-3-pyrrolidinol;  
1-(2-nitrobenzyl)-4-[[N<sup>α</sup>-(4-pyridinylmethoxycarbonyl)-L-leuciny]amino]-3-pyrrolidinone;  
(3RS,4RS)-1-(4-cyanobenzyl)-4-[[N<sup>α</sup>-(4-pyridinylmethoxycarbonyl)-L-leuciny]amino]-3-pyrrolidinol;  
1-(4-cyanobenzyl)-4-[[N<sup>α</sup>-(4-pyridinylmethoxycarbonyl)-L-leuciny]amino]-3-pyrrolidinone;  
(3RS,4RS)-1-(4-bromobenzyl)-4-[[N<sup>α</sup>-(4-pyridinylmethoxycarbonyl)-L-leuciny]amino]-3-pyrrolidinol;  
1-(4-bromobenzyl)-4-[[N<sup>α</sup>-(4-pyridinylmethoxycarbonyl)-L-leuciny]amino]-3-pyrrolidinone;  
(3RS,4RS)-1-phenethyl-4-[[N<sup>α</sup>-(4-pyridinylmethoxycarbonyl)-L-leuciny]amino]-3-pyrrolidinol;  
1-phenethyl-4-[[N<sup>α</sup>-(4-pyridinylmethoxycarbonyl)-L-leuciny]amino]-3-pyrrolidinone;  
1-(3-aminobenzyl)-4-[[N<sup>α</sup>-(4-pyridinylmethoxycarbonyl)-L-leuciny]amino]-3-pyrrolidinone;  
(3RS,4RS)-1-(3-benzyloxybenzyl)-4-[[N<sup>α</sup>-(4-pyridinylmethoxycarbonyl)-L-leuciny]amino]-3-pyrrolidinol;  
1-(3-benzyloxybenzyl)-4-[[N<sup>α</sup>-(4-pyridinylmethoxycarbonyl)-L-leuciny]amino]-3-pyrrolidinone;  
(3RS,4RS)-1-(3-hydroxybenzyl)-4-[[N<sup>α</sup>-(4-pyridinylmethoxycarbonyl)-L-leuciny]amino]-3-pyrrolidinol;  
1-(3-hydroxybenzyl)-4-[[N<sup>α</sup>-(4-pyridinylmethoxycarbonyl)-L-leuciny]amino]-3-pyrrolidinone;

(3RS,4RS)-1-ethyl-4-[[N<sup>α</sup>-(4-pyridinylmethoxycarbonyl)-L-leuciny]amino]-3-pyrrolidinol;  
1-ethyl-4-[[N<sup>α</sup>-(4-pyridinylmethoxycarbonyl)-L-leuciny]amino]-3-pyrrolidinone;  
(3RS,4RS)-1-cyclopropylmethyl-4-[[N<sup>α</sup>-(4-pyridinylmethoxycarbonyl)-L-leuciny]amino]-3-pyrrolidinol;  
1-cyclopropylmethyl-4-[[N<sup>α</sup>-(4-pyridinylmethoxycarbonyl)-L-leuciny]amino]-3-pyrrolidinone;  
(3RS,4RS)-1-(2-N,N-dimethylaminoethyl)-4-[[[N<sup>α</sup>-(4-pyridinylmethoxycarbonyl)-L-leuciny]amino]-3-pyrrolidinol;  
1-(2-N,N-dimethylaminoethyl)-4-[[N<sup>α</sup>-(4-pyridinylmethoxycarbonyl)-L-leuciny]amino]-3-pyrrolidinone;  
(3RS,4RS)-1-(2-morpholinoethyl)-4-[[N<sup>α</sup>-(4-pyridinylmethoxycarbonyl)-L-leuciny]amino]-3-pyrrolidinonol;  
1-(2-morpholinoethyl)-4-[[N<sup>α</sup>-(4-pyridinylmethoxycarbonyl)-L-leuciny]amino]-3-pyrrolidinone;  
(3RS,4RS)-1-(2-bromobenzyl)-4-[[N<sup>α</sup>-(2-pyridinylmethoxycarbonyl)-L-leuciny]amino]-3-pyrrolidinonol;  
1-(2-bromobenzyl)-4-[[N<sup>α</sup>-(2-pyridinylmethoxycarbonyl)-L-leuciny]amino]-3-pyrrolidinonone;  
(3RS,4RS)-4-[[N<sup>α</sup>-(4-pyridinylmethoxy)carbonyl]-L-leuciny]amino]-1-[(2S)-4-methyl-2-[[[(benzyloxycarbonyl)]amino]pentyl]-3-pyrrolidinol;  
4-[[N<sup>α</sup>-(4-pyridinylmethoxy)carbonyl]-L-leuciny]amino]-1-[(2S)-4-methyl-2-[[[(benzyloxycarbonyl)]amino]pentyl]-3-pyrrolidinone;  
(3RS,4RS)-4-[[N<sup>α</sup>-(4-pyridinylmethoxy)carbonyl]-L-leuciny]amino]-1-[(2S)-4-methyl-2-[[[(benzyloxycarbonyl)]aminomethyl]pentyl]-3-pyrrolidinol;  
4-[[N<sup>α</sup>-(4-pyridinylmethoxy)carbonyl]-L-leuciny]amino]-1-[(2S)-4-methyl-2-[[[(benzyloxycarbonyl)]aminomethyl]pentyl]-3-pyrrolidinone;  
(3RS,4RS)-4-[[N<sup>α</sup>-(2-pyridinylmethoxy)carbonyl]-L-leuciny]amino]-1-[(2S)-4-methyl-2-[[[(benzyloxycarbonyl)]amino]pentyl]-3-pyrrolidinol;  
4-[[N<sup>α</sup>-(2-pyridinylmethoxy)carbonyl]-L-leuciny]amino]-1-[(2S)-4-methyl-2-[[[(benzyloxycarbonyl)]amino]pentyl]-3-pyrrolidinone;  
(3RS,4RS)-4-[[N<sup>α</sup>-(3-pyridinylmethoxy)carbonyl]-L-leuciny]amino]-1-[(2S)-4-methyl-2-[[[(benzyloxycarbonyl)]amino]pentyl]-3-pyrrolidinol;  
4-[[N<sup>α</sup>-(3-pyridinylmethoxy)carbonyl]-L-leuciny]amino]-1-[(2S)-4-methyl-2-[[[(benzyloxycarbonyl)]amino]pentyl]-3-pyrrolidinone;  
(3RS,4RS)-4-[[N<sup>α</sup>-(benzyloxycarbonyl)-L-leuciny]amino]-1-[(2S)-4-methyl-2-[[[(benzyloxycarbonyl)]amino]pentyl]-3-pyrrolidinol;  
4-[[N<sup>α</sup>-(benzyloxycarbonyl)-L-leuciny]amino]-1-[(2S)-4-methyl-2-[[[(benzyloxycarbonyl)]amino]pentyl]-3-pyrrolidinone;  
(3RS,4RS)-4-[[N<sup>α</sup>-(4-pyridinylmethoxycarbonyl)-L-leuciny]aminomethyl]-1-[(2S)-4-methyl-2-[[[(benzyloxycarbonyl)]amino]pentyl]-3-pyrrolidinol;

4-[[N<sup>α</sup>-(4-pyridinylmethoxycarbonyl)-L-leuciny]aminomethyl]-1-[(2S)-4-methyl-2-[[[(benzyloxycarbonyl)]amino]pentyl]-3-pyrrolidinone;  
 (3RS,4RS)-1-benzyl-4-[[N<sup>α</sup>-(2-nitro-*a*-toluenesulphonyl)-L-leuciny]amino]-3-pyrrolidinol;  
 1-benzyl-4-[[[N<sup>α</sup>-(2-nitro-*α*-toluenesulphonyl)-L-leuciny]amino]-3-pyrrolidinone;  
 (3RS,4RS)-1-benzyl-4-[[N<sup>α</sup>-(phenylsulphonyl)-L-leuciny]amino]-3-pyrrolidinol;  
 1-benzyl-4-[[N<sup>α</sup>-(phenylsulphonyl)-L-leuciny]amino]-3-pyrrolidinone;  
 (3RS,4RS)-1-benzyl-4-[[N<sup>α</sup>-(*a*-toluenesulphonyl)-L-leuciny]amino]-3-pyrrolidinol;  
 1-benzyl-4-[[N<sup>α</sup>-(*a*-toluenesulphonyl)-L-leuciny]amino]-3-pyrrolidinone;  
 (3RS,4RS)-1-benzyl-4-[[N<sup>α</sup>-(2-naphthylsulphonyl)-L-leuciny]amino]-3-pyrrolidinol;  
 1-benzyl-4-[[N<sup>α</sup>-(2-naphthylsulphonyl)-L-leuciny]amino]-3-pyrrolidinone  
 (3RS,4RS)-1-benzyl-4-[[N<sup>α</sup>-(2-naphthylcarbonyl)-L-leuciny]amino]-3-piperidinol;  
 1-benzyl-4-[[N<sup>α</sup>-(2-naphthylcarbonyl)-L-leuciny]amino]-3-piperidinone  
 (3RS,4RS)-1-benzyl-4-[[N<sup>α</sup>-(2-quinolinylcarbonyl)-L-leuciny]amino]-3-piperidinol;  
 1-benzyl-4-[[N<sup>α</sup>-(2-quinolinylcarbonyl)-L-leuciny]amino]-3-piperidinone;  
 (3RS,4RS)-1-benzyl-4-[[N<sup>α</sup>-(2-naphthylsulphonyl)]amino]-3-piperidinol;  
 1-benzyl-4-[[N<sup>α</sup>-(2-naphthylsulphonyl)-L-leuciny]amino]-3-piperidinone;  
 (3RS,4RS)-4-[[N<sup>α</sup>-(benzyloxycarbonyl)-L-leuciny]aminomethyl]-1-[(2S)-4-methyl-2-[[[(benzyloxycarbonyl)]aminomethyl]pentanoyl]-3-pyrrolidinol;  
 4-[[N<sup>α</sup>-(benzyloxycarbonyl)-L-leuciny]aminomethyl]-1-[(2S)-4-methyl-2-[[[(benzyloxycarbonyl)]aminomethyl]pentanoyl]-3-pyrrolidinone;  
 (3RS,4RS)-4-[(2S)-4-methyl-2-[(benzyloxycarbonyl)amino]pentyl]-1-[(2S)-4-methyl-2-[[[(benzyloxycarbonyl)]amino]pentanoyl]-3-pyrrolidinol;  
 4-[(2S)-4-methyl-2-[(benzyloxycarbonyl)amino]pentyl]-1-[(2S)-4-methyl-2-[[[(benzyloxycarbonyl)]amino]pentanoyl]-3-pyrrolidinone;  
 (3RS,4RS)-4-[[N<sup>α</sup>-(4-fluorobenzoyl)-L-leuciny]amino]-1-[2-[(*α*-toluenesulphonyl)amino]ethyl]-3-pyrrolidinol;  
 4-[[N<sup>α</sup>-(4-fluorobenzoyl)-L-leuciny]amino]-1-[2-[(*α*-toluenesulphonyl)amino]ethyl]-3-pyrrolidinone;  
 (3RS,4RS)-4-[[N<sup>α</sup>-(4-fluorobenzoyl)-L-leuciny]amino]-1-benzoyl-3-pyrrolidinol;  
 4-[[N<sup>α</sup>-(4-fluorobenzoyl)-L-leuciny]amino]-1-benzoyl-3-pyrrolidinone;

(3RS,4RS)-4-[[N<sup>α</sup>-(piperonylcarbonyl)-L-leucinyl]amino]-1-benzoyl-3-pyrrolidinol;  
 4-[[N<sup>α</sup>-(piperonylcarbonyl)-L-leucinyl]amino]-1-benzoyl-3-pyrrolidinone;  
 (3RS,4RS)-4-[[N<sup>α</sup>-(4-fluorobenzoyl)-L-leucinyl]amino]-1-[2-[(4-fluorobenzoyl)amino]ethyl]-3-pyrrolidinol;  
 4-[[N<sup>α</sup>-(4-fluorobenzoyl)-L-leucinyl]amino]-1-[2-[(4-fluorobenzoyl)amino]ethyl]-3-pyrrolidinone;  
 (3RS,4RS)-4-[[N<sup>α</sup>-(*tert*-butoxycarbonyl)-L-leucinyl]amino]-1-benzoyl-3-pyrrolidinol;  
 4-[[N<sup>α</sup>-(*tert*-butoxycarbonyl)-L-leucinyl]amino]-1-benzoyl-3-pyrrolidinone;  
 (3RS,4RS)-4-[[N<sup>α</sup>-(4-fluorobenzoyl)-L-leucinyl]amino]-1-[(2S)-4-methyl-2-[(4-fluorobenzoyl)amino]pentyl]-3-pyrrolidinol;  
 4-[[N<sup>α</sup>-(4-fluorobenzoyl)-L-leucinyl]amino]-1-[(2S)-4-methyl-2-[(4-fluorobenzoyl)amino]pentyl]-3-pyrrolidinone;  
 4-[[N<sup>α</sup>-(4-carboxybenzoyl)-L-leucinyl]amino]-1-[(2S)-4-methyl-2-[(4-fluorobenzoyl)amino]pentyl]-3-pyrrolidinone;  
 1-benzyl-4-[[N<sup>α</sup>-(4-carboxybenzoyl)-L-leucinyl]amino]-3-pyrrolidinone;  
 (3RS,4RS)-1-benzyl-4-[[N<sup>α</sup>-(4-carboxymethyl)benzoyl)-L-leucinyl]amino]-3-pyrrolidinol;  
 1-benzyl-4-[[N<sup>α</sup>-(4-carboxymethyl)benzoyl)-L-leucinyl]amino]-3-pyrrolidinone;  
 (3RS,4RS)-4-[[N<sup>α</sup>-(4-carboxymethyl)benzoyl)-L-leucinyl]amino]-1-[(2S)-4-methyl-2-[(4-fluorobenzoyl)amino]pentyl]-3-pyrrolidinol;  
 4-[[N<sup>α</sup>-(4-carboxymethyl)benzoyl)-L-leucinyl]amino]-1-[(2S)-4-methyl-2-[(4-fluorobenzoyl)amino]pentyl]-3-pyrrolidinone;  
 (3RS,4RS)-1-phenethyl-4-[[N<sup>α</sup>-(2-amino- $\alpha$ -toluenesulphonyl)-L-leucinyl]amino]-3-pyrrolidinol;  
 1-phenethyl-4-[[N<sup>α</sup>-(2-amino- $\alpha$ -toluenesulphonyl)-L-leucinyl]amino]-3-pyrrolidinone;  
 (3RS,4RS)-4-[[N<sup>α</sup>-(2-naphthylcarbonyl)-L-leucinyl]amino]-1-benzoyl-3-piperidinol;  
 4-[[N<sup>α</sup>-(2-naphthylcarbonyl)-L-leucinyl]amino]-1-benzoyl-3-piperidinone;  
 (3RS,4RS)-4-[[N<sup>α</sup>-(2-quinolinecarbonyl)-L-leucinyl]amino]-1-benzoyl-3-piperidinol;  
 4-[[N<sup>α</sup>-(2-quinolinecarbonyl)-L-leucinyl]amino]-1-benzoyl-3-piperidinone;  
 (3RS,4RS)-4-[[N<sup>α</sup>-(3-isoquinolinecarbonyl)-L-leucinyl]amino]-1-benzoyl-3-piperidinol;  
 4-[[N<sup>α</sup>-(3-isoquinolinecarbonyl)-L-leucinyl]amino]-1-benzoyl-3-piperidinone;  
 (3RS,4RS)-4-[(2S)-4-methyl-2-(benzyl)oxy]pentanoyl]-1-[(2S)-4-methyl-2-[[benzyloxycarbonyl]amino]pentanoyl]-3-piperidinol;

4-[[[(2S)-4-methyl-2-(benzyl)oxy]pentanoyl]-1-[(2S)-4-methyl-2-  
[[[(benzyloxycarbonyl)]amino]pentanoyl]-3-piperidinone;  
(3RS,4RS)-4-[[3-(2-pyridyl)phenylacetyl]]amino]-1-[3-(2-pyridyl)phenylacetyl]-3-  
piperidinol;  
4-[[3-(2-pyridyl)phenylacetyl]]amino]-1-[3-(2-pyridyl)phenylacetyl]-3-  
piperidinone;  
(3RS,4RS)-4-[[N<sup>α</sup>-(p-trifluoromethanephensulphonyl)-L-leucinyl]amino]-1-[3-(2-  
pyridyl)phenylacetyl]-3-piperidinol;  
4-[[N<sup>α</sup>-(p-trifluoromethanephensulphonyl)-L-leucinyl]amino]-1-[3-(2-  
pyridyl)phenylacetyl]-3-piperidinone;  
(3RS,4RS)-4-[[N<sup>α</sup>-(2-naphthylsulphonyl)-L-leucinyl]amino]-1-[3-(2-  
pyridyl)phenylacetyl]-3-piperidinol;  
4-[[N<sup>α</sup>-(2-naphthylsulphonyl)-L-leucinyl]amino]-1-[3-(2-pyridyl)phenylacetyl]-3-  
piperidinone;  
(3RS,4RS)-4-[[N<sup>α</sup>-(3,4-dichlorophenylsulphonyl)-  
L-leucinyl]amino]-1-[3-(2-pyridyl)phenylacetyl]-3-piperidinol;  
4-[[N<sup>α</sup>-(3,4-dichlorophenylsulphonyl)-L-leucinyl]amino]-1-[3-(2-  
pyridyl)phenylacetyl]-3-piperidinone;  
(3RS,4RS)-4-[[N<sup>α</sup>-(methanesulphonyl)-L-leucinyl]amino]-1-[3-(2-  
pyridyl)phenylacetyl]-3-piperidinol;  
4-[[N<sup>α</sup>-(methanesulphonyl)-L-leucinyl]amino]-1-[3-(2-pyridyl)phenylacetyl]-3-  
piperidinone;  
(3RS,4RS)-4-[[N<sup>α</sup>-(4-fluorophenylsulphonyl)-L-leucinyl]amino]-1-[3-(2-  
pyridyl)phenylacetyl]-3-piperidinol; or  
4-[[N<sup>α</sup>-(4-fluorophenylsulphonyl)-L-leucinyl]amino]-1-[3-(2-pyridyl)phenylacetyl]-3-  
piperidinone;

or a pharmaceutically acceptable salt thereof.

17 (Original). A compound according to claim 1 which is:

4-[[N<sup>α</sup>-(benzyloxycarbonyl)-L-leucinyl]amino]-1-[(2S)-4-methyl-2-  
[[[(benzyloxycarbonyl)]amino]pentanoyl]-3-pyrrolidinone;  
4-[[N<sup>α</sup>-(benzyloxycarbonyl)-L-leucinyl]amino]-1-[4-(phenoxybenzamide)]-  
3-pyrrolidinone;  
4-[[N<sup>α</sup>-(benzyloxycarbonyl)-L-leucinyl]amino]-1-[4-(biphenylethanoyl)]-3-  
pyrrolidinone;  
4-[[N<sup>α</sup>-(benzyloxycarbonyl)-L-leucinyl]amino]-1-[(2S)-4-methyl-2-  
[[[(benzyloxycarbonyl)]aminomethyl]pentanoyl]-3-pyrrolidinone;  
4-[[N<sup>α</sup>-(benzyloxycarbonyl)-L-leucinyl]amino]-1-[(2S)-4-methyl-2-[[[(tert-  
butoxyoxycarbonyl)]aminomethyl]pentanoyl]-3-pyrrolidinone;

4-[[N<sup>α</sup>-(benzyloxycarbonyl)-L-leucinyl]amino]-1-[(2S)-4-methyl-2-(aminomethyl)pentanoyl]-3-pyrrolidinone;  
4-[[N<sup>α</sup>-(benzyloxycarbonyl)-L-leucinyl]amino]-1-tert-butoxycarbonyl-3-pyrrolidinone;  
4-[[N<sup>α</sup>-(benzyloxycarbonyl)-L-leucinyl]amino]-3-pyrrolidinone;  
4-[[N<sup>α</sup>-(benzyloxycarbonyl)-L-leucinyl]amino]-1-[(2S)-4-methyl-2-[(N-tert-butoxycarbonyl)ethanoyl]aminomethyl]pentanoyl]-3-pyrrolidinone;  
4-[[N<sup>α</sup>-(benzyloxycarbonyl)-L-leucinyl]amino]-1-[(2S)-4-methyl-2-[(ethanoyl)aminomethyl]pentanoyl]-3-pyrrolidinone;  
4-[[N<sup>α</sup>-(benzyloxycarbonyl)-L-leucinyl]amino]-1-[(2S)-4-methyl-2-[(tert-butoxycarbonyl)]amino]pentanoyl]-3-pyrrolidinone;  
4-[[N<sup>α</sup>-(benzyloxycarbonyl)-L-leucinyl]amino]-1-[(2R)-4-methyl-2-[[[(benzyloxycarbonyl)]amino]pentanoyl]-3-pyrrolidinone;  
4-[[[N<sup>α</sup>-(benzyloxycarbonyl)-L-leucinyl]amino]-1-[2-[(benzyloxycarbonyl)amino]ethanoyl]-3-pyrrolidinone;  
4-[[N<sup>α</sup>-(benzyloxycarbonyl)-L-leucinyl]amino]-1-[(2S)-2-[[[(benzyloxycarbonyl)]amino]propanoyl]-3-pyrrolidinone;  
4-[[N<sup>α</sup>-(benzyloxycarbonyl)-L-leucinyl]amino]-1-[cyclohexanepropanoyl]-3-pyrrolidinone;  
4-[[N<sup>α</sup>-(benzyloxycarbonyl)-L-leucinyl]amino]-1-[(2S)-4-methyl-2-[[[(4-pyridinylmethoxycarbonyl)]amino]pentanoyl]-3-pyrrolidinone;  
4-[[N<sup>α</sup>-(benzyloxycarbonyl)-L-leucinyl]amino]-1-[(2S)-4-methyl-2-[[[(2-pyridinylmethoxycarbonyl)]amino]pentanoyl]-3-pyrrolidinone;  
4-[[N<sup>α</sup>-(benzyloxycarbonyl)-L-leucinyl]amino]-1-[(2S)-4-methyl-2-[[[(3-pyridinylmethoxycarbonyl)]amino]pentanoyl]-3-pyrrolidinone;  
4-[[N<sup>α</sup>-(benzyloxycarbonyl)-L-leucinyl]amino]-1-(2-pyridylcarbonyl)-3-pyrrolidinone;  
4-[[N<sup>α</sup>-(benzyloxycarbonyl)-L-leucinyl]amino]-1-[(2S)-4-methyl-2-[[[(benzyloxycarbonyl)]amino]pentanoyl]-3-piperidinone;  
4-[[N<sup>α</sup>-(benzyloxycarbonyl)-L-leucinyl]amino]-1-[4-(biphenyl)ethanoyl]-3-piperidinone;  
4-[[N<sup>α</sup>-(benzyloxycarbonyl)-L-leucinyl]amino]-1-[(2S)-4-methyl-2-[[[(benzyloxycarbonyl)]aminomethyl]pentanoyl]-3-piperidinone;  
4-[[N<sup>α</sup>-(benzyloxycarbonyl)-L-leucinyl]amino]-1-tert-butoxycarbonyl-3-piperidinone;  
4-[[N<sup>α</sup>-(benzyloxycarbonyl)-L-leucinyl]amino]-1-[2-[[[(benzyloxycarbonyl)]iso-butylamino]ethanoyl]-3-piperidinone;  
4-[[N<sup>α</sup>-(benzyloxycarbonyl)-L-leucinyl]amino]-1-[2-[(tert-butoxycarbonyl)amino]ethanoyl]-3-piperidinone;  
4-[[N<sup>α</sup>-(benzyloxycarbonyl)-L-leucinyl]amino]-1-[2-(amino)ethanoyl]-3-piperidinone;

4-[[N<sup>α</sup>-(benzyloxycarbonyl)-L-leuciny]amino]-1-(4-methylpentanoyl)-3-piperidinone;  
4-[[N<sup>α</sup>-(benzyloxycarbonyl)-L-leuciny]amino]-1-(benzoyl)-3-piperidinone;  
4-[[N<sup>α</sup>-(benzyloxycarbonyl)-L-leuciny]amino]-1-(acetyl)-3-piperidinone;  
4-[[N<sup>α</sup>-(benzyloxycarbonyl)-L-leuciny]amino]-1-(2-pyridoxyacetyl)-3-piperidinone;  
4-[[N<sup>α</sup>-(benzyloxycarbonyl)-L-leuciny]amino]-1-[2-[(benzyloxycarbonyl)methylamino]ethanoyl]-3-piperidinone;  
4-[[N<sup>α</sup>-(benzyloxycarbonyl)-L-leuciny]amino]-1-[3-(2-pyridyl)phenylacetyl]-3-piperidinone;  
4-[[N<sup>α</sup>-(benzyloxycarbonyl)-L-leuciny]amino]-1-[2-[(benzyloxycarbonyl)methylamino]ethanoyl]-3-pyrrolidinone;  
4-[[N<sup>α</sup>-(benzyloxycarbonyl)-L-leuciny]amino]-1-[2-(phenoxy)ethanoyl]-3-pyrrolidinone;  
4-[[[N<sup>α</sup>-(4-pyridinylmethoxycarbonyl)-L-leuciny]amino]-1-[(2-phenyl)ethanoyl]-3-pyrrolidinone;  
4-[[N<sup>α</sup>-(4-pyridinylmethoxycarbonyl)-L-leuciny]amino]-1-ethanoyl-3-pyrrolidinone;  
4-[[N<sup>α</sup>-(4-pyridinylmethoxycarbonyl)-L-leuciny]amino]-1-(4-cyanobenzoyl)-3-pyrrolidinone;  
4-[[N<sup>α</sup>-(4-pyridinylmethoxycarbonyl)-L-leuciny]amino]-1-tert-butoxycarbonyl-3-pyrrolidinone;  
4-[[N<sup>α</sup>-(3-pyridinylmethoxycarbonyl)-L-leuciny]amino]-1-tert-butoxycarbonyl-3-pyrrolidinone;  
4-[[N<sup>α</sup>-(3-pyridinylmethoxycarbonyl)-L-leuciny]amino]-3-pyrrolidinone;  
4-[[N<sup>α</sup>-(4-pyridinylmethoxycarbonyl)-L-leuciny]amino]-3-pyrrolidinone;  
4-[[N<sup>α</sup>-(4-pyridinylmethoxycarbonyl)-L-leuciny]amino]-1-[(2S)-4-methyl-2-[[[(benzyloxycarbonyl)]aminomethyl]pentanoyl]-3-pyrrolidinone;  
4-[[N<sup>α</sup>-(4-pyridinylmethoxycarbonyl)-L-leuciny]amino]-1-[(2S)-4-methyl-2-[[[(4-pyridinylmethoxycarbonyl)]amino]pentanoyl]-3-pyrrolidinone;  
4-[[N<sup>α</sup>-(4-pyridinylmethoxycarbonyl)-L-leuciny]amino]-1-[(2S)-4-methyl-2-[[[(benzyloxycarbonyl)]aminomethyl]pentanoyl]-3-pyrrolidinone;  
4-[[N<sup>α</sup>-(3-isoquinolinecarbonyl)-L-leuciny]amino]-1-[(2S)-4-methyl-2-[[[(benzyloxycarbonyl)]amino]pentyl]-3-pyrrolidinone;  
4-[[N<sup>α</sup>-(4-pyridinylmethoxycarbonyl)-L-leuciny]amino]-1-[1-(adamantyl)carbonyl]-3-pyrrolidinone;  
4-[[N<sup>α</sup>-(benzyloxycarbonyl)-L-leuciny]amino]-1-(4-methyl-pentanoyl)-3-pyrrolidinone;  
4-[[N<sup>α</sup>-(benzyloxycarbonyl)-D-leuciny]amino]-1-[(2S)-4-methyl-2-[[[(benzyloxycarbonyl)]amino]pentanoyl]-3-piperidinone;  
4-[[N<sup>α</sup>-(tert-butoxycarbonyl)-L-leuciny]amino]-1-[(2S)-4-methyl-2-[[[(benzyloxycarbonyl)]amino]pentanoyl]-3-piperidinone



4-[[N<sup>α</sup>-(benzyloxycarbonyl)-N<sup>ε</sup>-(tert-butoxycarbonyl)-L-lysine]amino]-1-  
[(2S)-4-methyl-2-[[[(benzyloxycarbonyl)]amino]pentanoyl]-3-piperidinone;  
4-[[N<sup>α</sup>-(4-pyridinylmethoxycarbonyl)-L-leuciny]amino]-1-tert-  
butoxycarbonyl-3-piperidinone;  
4-[[N<sup>α</sup>-(4-pyridinylmethoxycarbonyl)-L-leuciny]amino]-1-(4-  
methylpentanoyl)-3-piperidinone;  
4-[[N<sup>α</sup>-(4-pyridinylmethoxycarbonyl)-L-leuciny]amino]-1-[2-  
(benzyloxycarbonyl)]iso-butylamino]ethanoyl]-3-piperidinone;  
4-[[N-2-(benzyloxycarbonyl)]iso-butylamino]ethanoyl]-1-[(2S)-4-methyl-2-  
[[[(benzyloxycarbonyl)]amino]pentanoyl]-3-piperidinone;  
4-[[N<sup>α</sup>-(benzyloxycarbonyl)-L-leuciny]amino]-1-(methanesulphonyl)-3-  
piperidinone;  
4-[[N<sup>α</sup>-(benzyloxycarbonyl)-L-leuciny]amino]-1-(phenylsulphonyl)-3-  
piperidinone;  
4-[[N<sup>α</sup>-(4-pyridinylmethoxycarbonyl)-L-leuciny]amino]-1-(8-  
quinolinesulphonyl)-3-pyrrolidinone;  
4-[[N<sup>α</sup>-(4-pyridinylmethoxycarbonyl)-L-leuciny]amino]-1-(2-  
pyridylsulphonyl)-3-pyrrolidinone;  
4-[[N<sup>α</sup>-(4-pyridinylmethoxycarbonyl)-L-leuciny]amino]-1-[(2-propoxy)  
carbonyl]-3-pyrrolidinone;  
4-[[N<sup>α</sup>-(4-pyridinylmethoxycarbonyl)-L-leuciny]amino]-1-[(3-methyl-1-  
propoxy)carbonyl]-3-pyrrolidinone;  
4-[[N<sup>α</sup>-(benzyloxycarbonyl)-L-leuciny]amino]-1-[(4-phenoxy)  
phenylsulphonyl]-3-pyrrolidinone;  
4-[[N<sup>α</sup>-(benzyloxycarbonyl)-L-leuciny]amino]-1-[(4-phenoxy)  
phenylsulphonyl]-3-piperidinone;  
4-[[N<sup>α</sup>-(3,4-dichlorobenzoyl)-L-leuciny]amino]-1-[(2S)-4-methyl-2-  
[[[(benzyloxycarbonyl)]amino]pentyl]-3-pyrrolidinone;  
4-[[N<sup>α</sup>-(6-quinolinecarbonyl)-L-leuciny]amino]-1-[(2S)-4-methyl-2-  
[[[(benzyloxycarbonyl)]amino]pentyl]-3-pyrrolidinone;  
4-[(2-dibenzofuransulphonyl)amino]-1-[(2S)-4-methyl-2-  
[[[(benzyloxycarbonyl)]amino]pentanoyl]-3-pyrrolidinone;  
4-[(2-dibenzofuransulphonyl)amino]-1-[(2S)-4-methyl-2-  
[[[(benzyloxycarbonyl)]methylamino]pentanoyl]-3-pyrrolidinone;  
4-[[N<sup>α</sup>-(benzyloxycarbonyl)-L-leuciny]amino]-1-(4-methylpentyl)-3-  
piperidinone;  
4-[[N<sup>α</sup>-(2-pyridylcarbonyl)-L-leuciny]amino]-1-(4-methylpentyl)-3-  
piperidinone;  
4-[[N<sup>α</sup>-(3-chlorobenzoyl)-L-leuciny]amino]-1-(4-methylpentyl)-3-  
piperidinone;  
4-[[N<sup>α</sup>-(2-quinolinecarbonyl)-L-leuciny]amino]-1-(4-methylpentyl)-3-  
piperidinone;

4-[[N<sup>α</sup>-(3,4-dichlorobenzoyl)-L-leuciny]amino]-1-(4-methylpentyl)-3-piperidinone;  
4-[[N<sup>α</sup>-(8-quinolinecarbonyl)-L-leuciny]amino]-1-(4-methylpentyl)-3-piperidinone  
4-[[N<sup>α</sup>-(3-isoquinolinecarbonyl)-L-leuciny]amino]-1-(4-methylpentyl)-3-piperidinone;  
4-[[N<sup>α</sup>-(2-pyridinylmethoxycarbonyl)-L-leuciny]amino]-1-(4-methylpentyl)-3-piperidinone;  
4-[[N<sup>α</sup>-(acetyl)-L-leuciny]amino]-1-(4-methylpentyl)-3-piperidinone;  
4-[[N<sup>α</sup>-(p-trifluoromethylbenzenesulphonyl)-L-leuciny]amino]-1-(4-methylpentyl)-3-piperidinone;  
4-[[N<sup>α</sup>-(6-quinolinecarbonyl)-L-leuciny]amino]-1-(4-methylpentyl)-3-piperidinone;  
4-[[2-(RS)-[(3-biphenyl)-4-methyl]amino]pentanoyl]-1-(4-methylpentyl)-3-piperidinone;  
4-[[N<sup>α</sup>-(benzyloxycarbonyl)-L-leuciny]amino]-1-[2-[(benzyloxycarbonyl)methylamino]ethyl]-3-piperidinone;  
4-[[N<sup>α</sup>-(a-toluenesulphonyl)-L-leuciny]amino]-1-[3-(2-pyridyl)phenylacetyl]-3-piperidinone;  
4-[[N<sup>α</sup>-(2-naphthylcarbonyl)-L-leuciny]amino]-1-[3-(2-pyridyl)phenylacetyl]-3-piperidinone;  
4-[[N<sup>α</sup>-(benzenesulphonyl)-L-leuciny]amino]-1-[3-(2-pyridyl)phenylacetyl]-3-piperidinone;  
4-[[N<sup>α</sup>-(3-isoquinolinecarbonyl)-L-leuciny]amino]-1-[3-(2-pyridyl)phenylacetyl]-3-piperidinone;  
4-[3-[(2-pyridyl)phenylacetyl]]amino]-1-[(2S)-4-methyl-2-[[benzyloxycarbonyl]]amino]pentanoyl]-3-piperidinone;  
4-[3-[(2-pyridyl)phenylacetyl]]amino]-1-[(2S)-4-methyl-2-[[2-(pyridinylmethoxycarbonyl)]amino]pentanoyl]-3-piperidinone;  
4-[[N<sup>α</sup>-(2-phenylacetyl)-L-leuciny]amino]-1-[(2S)-4-methyl-2-[[benzyloxycarbonyl]]amino]pentyl]-3-pyrrolidinone;  
4-[[N<sup>α</sup>-(tert-butoxyoxycarbonyl)-L-leuciny]amino]-1-[(2S)-4-methyl-2-[[benzyloxycarbonyl]]amino]pentyl]-3-pyrrolidinone;  
4-[(L-leuciny]amino)-1-[(2S)-4-methyl-2-[[benzyloxycarbonyl]]amino]pentyl]-3-pyrrolidinone;  
4-[[N<sup>α</sup>-(2-quinolinecarbonyl)-L-leuciny]amino]-1-[(2S)-4-methyl-2-[[benzyloxycarbonyl]]amino]pentyl]-3-pyrrolidinone;  
4-[[N<sup>α</sup>-(piperonylcarbonyl)-L-leuciny]amino]-1-[(2S)-4-methyl-2-[[benzyloxycarbonyl]]amino]pentyl]-3-pyrrolidinone;  
4-[[N<sup>α</sup>-(4-fluorobenzoyl)-L-leuciny]amino]-1-[(2S)-4-methyl-2-[[benzyloxycarbonyl]]amino]pentyl]-3-pyrrolidinone;

4-[[N<sup>α</sup>-(2-pyridylcarbonyl)-L-leuciny]amino]-1-[(2S)-4-methyl-2-  
 [[(benzyloxycarbonyl)]amino]pentyl]-3-pyrrolidinone;  
 4-[[N<sup>α</sup>-(2-nitro-a-toluenesulphonyl)-L-leuciny]amino]-1-[(2S)-4-methyl-2-  
 [[(benzyloxycarbonyl)]amino]pentyl]-3-pyrrolidinone;  
 4-[[N<sup>α</sup>-(8-quinolinesulphonyl)-L-leuciny]amino]-1-[(2S)-4-methyl-2-  
 [[(benzyloxycarbonyl)]amino]pentyl]-3-pyrrolidinone;  
 4-[[N<sup>α</sup>-(2-naphthylcarbonyl)-L-leuciny]aminomethyl]-1-[(2S)-4-methyl-2-  
 [[(benzyloxycarbonyl)]amino]pentyl]-3-pyrrolidinone;  
 4-[[N<sup>α</sup>-(2-quinolinylcarbonyl)-L-leuciny]aminomethyl]-1-[(2S)-4-methyl-2-  
 [[(benzyloxycarbonyl)]amino]pentyl]-3-pyrrolidinone;  
 4-[[N<sup>α</sup>-(phenylacetyl)-L-leuciny]amino]-1-[(2S)-4-methyl-2-  
 [[(benzyloxycarbonyl)]amino]pentyl]-3-piperidinone;  
 4-[[N<sup>α</sup>-(4-pyridinylmethoxycarbonyl)-L-leuciny]amino]-1-[(2S)-4-methyl-  
 2-[[[(benzyloxycarbonyl)]amino]pentyl]-3-piperidinone;  
 4-[[N<sup>α</sup>-(4-pyridinylmethoxycarbonyl)-L-leuciny]amino]-1-[(2R)-4-methyl-  
 2-[[[(benzyloxycarbonyl)]amino]pentyl]-3-piperidinone;  
 4-[[N<sup>α</sup>-(phenylacetyl)-L-leuciny]amino]-1-[(2R)-4-methyl-2-  
 [[(benzyloxycarbonyl)]amino]pentyl]-3-piperidinone;  
 4-[[N<sup>α</sup>-(4-imidazoleacetyl)-L-leuciny]amino]-1-[(2R)-4-methyl-2-  
 [[(benzyloxycarbonyl)]amino]pentyl]-3-piperidinone;  
 4-[[N<sup>α</sup>-(4-imidazoleacetyl)-L-leuciny]amino]-1-[(2S)-4-methyl-2-  
 [[(benzyloxycarbonyl)]amino]pentyl]-3-piperidinone;  
 4-[[N<sup>α</sup>-(4-pyridinylcarbonyl)-L-leuciny]amino]-1-[(2S)-4-methyl-2-  
 [[(benzyloxycarbonyl)]amino]pentyl]-3-piperidinone;  
 4-[[N<sup>α</sup>-(tert-butoxycarbonyl)-L-leuciny]amino]-1-(benzyloxycarbonyl)-3-  
 piperidinone;  
 4-[[N<sup>α</sup>-(8-quinolinesulphonyl)-L-leuciny]amino]-1-(benzyloxycarbonyl)-3-  
 piperidinone;  
 4-[[N<sup>α</sup>-(4-pyridinylacetyl)-L-leuciny]amino]-1-(benzyloxycarbonyl)-3-  
 piperidinone;  
 4-[[N<sup>α</sup>-(4-imidazoleacetyl)-L-leuciny]amino]-1-(benzyloxycarbonyl)-3-  
 piperidinone;  
 4-[[N<sup>α</sup>-(4-pyridinylcarbonyl)-L-leuciny]amino]-1-(benzyloxycarbonyl)-3-  
 piperidinone;  
 1-benzyl-4-[[N<sup>α</sup>-(3-isoquinolinylcarbonyl)-L-leuciny]amino]-3-  
 pyrrolidinone;  
 1-benzyl-4-[[N<sup>α</sup>-(3,4-dichlorobenzoyl)-L-leuciny]amino]-3-pyrrolidinone;  
 1-benzyl-4-[[N<sup>α</sup>-(2-naphthylcarbonyl)-L-leuciny]aminomethyl]-3-  
 pyrrolidinone;  
 1-benzyl-4-[[N<sup>α</sup>-(2-quinolinylcarbonyl)-L-leuciny]aminomethyl]-3-  
 pyrrolidinone;  
 1-benzyl-4-[[N<sup>α</sup>-(2-quinolinylcarbonyl)-L-leuciny]amino]-3-pyrrolidinone;

1-benzyl-4-[[N<sup>α</sup>-(piperonylcarbonyl)-L-leucynyl]amino]-3-pyrrolidinone;  
 1-benzyl-4-[[N<sup>α</sup>-(4-fluorobenzoyl)-L-leucynyl]amino]-3-pyrrolidinone;  
 1-benzyl-4-[[N<sup>α</sup>-(6-hydroxy-2-naphthylcarbonyl)-L-leucynyl]amino]-3-pyrrolidinone;  
 1-benzyl-4-[[N<sup>α</sup>-(2-naphthylcarbonyl)-L-leucynyl]amino]-3-pyrrolidinone;  
 1-benzyl-4-[[N<sup>α</sup>-(6-quinolinylcarbonyl)-L-leucynyl]amino]-3-pyrrolidinone;  
 1-benzyl-4-[[N<sup>α</sup>-(4-imidazoleacetyl)-L-leucynyl]amino]-3-pyrrolidinone;  
 1-benzyl-4-[[N<sup>α</sup>-(4-pyridinylcarbonyl)-L-leucynyl]amino]-3-pyrrolidinone;  
 4-[[N<sup>α</sup>-(tert-butoxycarbonyl)-L-leucynyl]amino]-1-benzyloxycarbonyl-3-pyrrolidinone;  
 4-[[N<sup>α</sup>-(4-pyridinylmethoxy)carbonyl]-L-leucynyl]amino]-1-[(2R)-4-methyl-2-[[[(benzyloxycarbonyl)]amino]pentyl]-3-pyrrolidinone;  
 4-[[N<sup>α</sup>-(4-pyridinylmethoxy)carbonyl]-L-leucynyl]amino]-1-[(2S)-4-methyl-2-[[[(tert-butoxycarbonyl)]amino]pentyl]-3-pyrrolidinone;  
 4-[[N<sup>α</sup>-(4-pyridinylmethoxy)carbonyl]-L-leucynyl]amino]-1-[(2S)-4-methyl-2-(amino)pentyl]-3-pyrrolidinone;  
 4-[[N<sup>α</sup>-(2-methylpropoxy)carbonyl]-L-leucynyl]amino]-1-[(2S)-4-methyl-2-[[[(benzyloxycarbonyl)]amino]pentyl]-3-pyrrolidinone;  
 4-[[N<sup>α</sup>-(methylamino)thiocarbonyl]-L-leucynyl]amino]-1-[(2S)-4-methyl-2-[[[(benzyloxycarbonyl)]amino]pentyl]-3-pyrrolidinone;  
 4-[[N<sup>α</sup>-(phenylmethylamino)carbonyl]-L-leucynyl]amino]-1-[(2S)-4-methyl-2-[[[(benzyloxycarbonyl)]amino]pentyl]-3-pyrrolidinone;  
 4-[[N<sup>α</sup>-(3,4-dichlorophenylamino)carbonyl]-L-leucynyl]amino]-1-[(2S)-4-methyl-2-[[[(benzyloxycarbonyl)]amino]pentyl]-3-pyrrolidinone;  
 1-benzyl-4-[[N<sup>α</sup>-(3,4-dichlorophenylamino)-L-leucynyl]amino]-3-pyrrolidinone;  
 4-[[N<sup>α</sup>-(1,2,3,4-tetrahydro-6-quinolinecarbonyl)-L-leucynyl]amino]-1-[(2S)-4-methyl-2-[(p-toluenesulphonyl)amino]pentyl]-3-pyrrolidinone;  
 4-[[[N<sup>α</sup>-(1,2,3,4-tetrahydro-6-quinolinecarbonyl)-L-leucynyl]amino]-1-[(2S)-4-methyl-2-[(acetyl)amino]pentyl]-3-pyrrolidinone;  
 4-[[[N<sup>α</sup>-(4-fluorobenzoyl)-L-leucynyl]amino]-1-[(2S)-4-methyl-2-[(acetyl)amino]pentyl]-3-pyrrolidinone;  
 4-[[N<sup>α</sup>-(4-fluorobenzoyl)-L-leucynyl]amino]-1-[(2S)-4-methyl-2-[(p-toluenesulphonyl)amino]pentyl]-3-pyrrolidinone;  
 4-[[N<sup>α</sup>-(4-fluorobenzoyl)-L-leucynyl]amino]-1-[(2S)-4-methyl-2-[(methanesulphonyl)amino]pentyl]-3-pyrrolidinone;  
 4-[[N<sup>α</sup>-(4-fluorobenzoyl)-L-leucynyl]amino]-1-[(2S)-4-methyl-2-[(a-toluenesulphonyl)amino]pentyl]-3-pyrrolidinone;  
 1-(2-phenethyl)-4-[[N<sup>α</sup>-(4-fluorobenzoyl)-L-leucynyl]amino]-3-pyrrolidinone;  
 1-(2-phenethyl)-4-[[N<sup>α</sup>-(2-quinolinylcarbonyl)-L-leucynyl]amino]-3-pyrrolidinone;

1-(2-phenethyl)-4-[[N<sup>α</sup>-(2-naphthylcarbonyl)-L-leuciny]amino]-3-pyrrolidinone;

1-(2-phenethyl)-4-[[N<sup>α</sup>-( $\alpha$ -toluenesulphonyl)-L-leuciny]amino]-3-pyrrolidinone;

1-(2-phenethyl)-4-[[N<sup>α</sup>-(2-nitro- $\alpha$ -toluenesulphonyl)-L-leuciny]amino]-3-pyrrolidinone;

4-[[N<sup>α</sup>-(2-phenylacetyl)-L-leuciny]amino]-1-[(2S)-4-methyl-2-[[4-pyridinylcarbonyl]amino]pentyl]-3-pyrrolidinone;

4-[[N<sup>α</sup>-(2-phenylacetyl)-L-leuciny]amino]-1-[(2S)-4-methyl-2-[(p-toluenesulphonyl)amino]pentyl]-3-pyrrolidinone;

4-[[N<sup>α</sup>-(2-phenylacetyl)-L-leuciny]amino]-1-[(2S)-4-methyl-2-[(4-imidazoleacetyl)amino]pentyl]-3-pyrrolidinone;

1-(3-nitrobenzyl)-4-[[N<sup>α</sup>-(4-pyridinylmethoxycarbonyl)-L-leuciny]amino]-3-pyrrolidinone;

1-(2-nitrobenzyl)-4-[[N<sup>α</sup>-(4-pyridinylmethoxycarbonyl)-L-leuciny]amino]-3-pyrrolidinone;

1-(4-cyanobenzyl)-4-[[N<sup>α</sup>-(4-pyridinylmethoxycarbonyl)-L-leuciny]amino]-3-pyrrolidinone;

1-(4-bromobenzyl)-4-[[N<sup>α</sup>-(4-pyridinylmethoxycarbonyl)-L-leuciny]amino]-3-pyrrolidinone;

1-phenethyl-4-[[N<sup>α</sup>-(4-pyridinylmethoxycarbonyl)-L-leuciny]amino]-3-pyrrolidinone;

1-(3-aminobenzyl)-4-[[N<sup>α</sup>-(4-pyridinylmethoxycarbonyl)-L-leuciny]amino]-3-pyrrolidinone;

1-(3-benzyloxybenzyl)-4-[[N<sup>α</sup>-(4-pyridinylmethoxycarbonyl)-L-leuciny]amino]-3-pyrrolidinone;

1-(3-hydroxybenzyl)-4-[[N<sup>α</sup>-(4-pyridinylmethoxycarbonyl)-L-leuciny]amino]-3-pyrrolidinone;

1-ethyl-4-[[N<sup>α</sup>-(4-pyridinylmethoxycarbonyl)-L-leuciny]amino]-3-pyrrolidinone;

1-cyclopropylmethyl-4-[[N<sup>α</sup>-(4-pyridinylmethoxycarbonyl)-L-leuciny]amino]-3-pyrrolidinone;

1-(2-N,N-dimethylaminoethyl)-4-[[N<sup>α</sup>-(4-pyridinylmethoxycarbonyl)-L-leuciny]amino]-3-pyrrolidinone;

1-(2-morpholinoethyl)-4-[[N<sup>α</sup>-(4-pyridinylmethoxycarbonyl)-L-leuciny]amino]-3-pyrrolidinone;

1-(2-bromobenzyl)-4-[[N<sup>α</sup>-(2-pyridinylmethoxycarbonyl)-L-leuciny]amino]-3-pyrrolidinone;

4-[[N<sup>α</sup>-(4-pyridinylmethoxy)carbonyl)-L-leuciny]amino]-1-[(2S)-4-methyl-2-[[benzyloxycarbonyl]amino]pentyl]-3-pyrrolidinone;

4-[[N<sup>α</sup>-(4-pyridinylmethoxy)carbonyl)-L-leuciny]amino]-1-[(2S)-4-methyl-2-[[benzyloxycarbonyl]aminomethyl]pentyl]-3-pyrrolidinone;

4-[[N<sup>α</sup>-(2-pyridinylmethoxy)carbonyl]-L-leucinyl]amino]-1-[(2S)-4-methyl-2-[[[(benzyloxycarbonyl)]amino]pentyl]-3-pyrrolidinone;

4-[[N<sup>α</sup>-(3-pyridinylmethoxy)carbonyl]-L-leucinyl]amino]-1-[(2S)-4-methyl-2-[[[(benzyloxycarbonyl)]amino]pentyl]-3-pyrrolidinone;

4-[[N<sup>α</sup>-(benzyloxycarbonyl)-L-leucinyl]amino]-1-[(2S)-4-methyl-2-[[[(benzyloxycarbonyl)]amino]pentyl]-3-pyrrolidinone;

4-[[N<sup>α</sup>-(4-pyridinylmethoxycarbonyl)-L-leucinyl]aminomethyl]-1-[(2S)-4-methyl-2-[[[(benzyloxycarbonyl)]amino]pentyl]-3-pyrrolidinone;

1-benzyl-4-[[[N<sup>α</sup>-(2-nitro- $\alpha$ -toluenesulphonyl)-L-leucinyl]amino]-3-pyrrolidinone;

1-benzyl-4-[[N<sup>α</sup>-(phenylsulphonyl)-L-leucinyl]amino]-3-pyrrolidinone;

1-benzyl-4-[[N<sup>α</sup>-( $\alpha$ -toluenesulphonyl)-L-leucinyl]amino]-3-pyrrolidinone;

1-benzyl-4-[[N<sup>α</sup>-(2-naphthylsulphonyl)-L-leucinyl]amino]-3-pyrrolidinone;

1-benzyl-4-[[N<sup>α</sup>-(2-naphthylcarbonyl)-L-leucinyl]amino]-3-piperidinone;

1-benzyl-4-[[N<sup>α</sup>-(2-quinolinylcarbonyl)-L-leucinyl]amino]-3-piperidinone;

1-benzyl-4-[[N<sup>α</sup>-(2-naphthylsulphonyl)-L-leucinyl]amino]-3-piperidinone;

4-[[N<sup>α</sup>-(benzyloxycarbonyl)-L-leucinyl]aminomethyl]-1-[(2S)-4-methyl-2-[[[(benzyloxycarbonyl)]aminomethyl]pentanoyl]-3-pyrrolidinone;

4-[(2S)-4-methyl-2-[(benzyloxycarbonyl)amino]pentyl]-1-[(2S)-4-methyl-2-[[[(benzyloxycarbonyl)]amino]pentanoyl]-3-pyrrolidinone;

4-[[N<sup>α</sup>-(4-fluorobenzoyl)-L-leucinyl]amino]-1-[2-[( $\alpha$ -toluenesulphonyl)amino]ethyl]-3-pyrrolidinone;

4-[[N<sup>α</sup>-(4-fluorobenzoyl)-L-leucinyl]amino]-1-benzoyl-3-pyrrolidinone;

4-[[N<sup>α</sup>-(piperonylcarbonyl)-L-leucinyl]amino]-1-benzoyl-3-pyrrolidinone;

4-[[N<sup>α</sup>-(4-fluorobenzoyl)-L-leucinyl]amino]-1-[2-[(4-fluorobenzoyl)amino]ethyl]-3-pyrrolidinone;

4-[[N<sup>α</sup>-(*tert*-butoxycarbonyl)-L-leucinyl]amino]-1-benzoyl-3-pyrrolidinone;

4-[[N<sup>α</sup>-(4-fluorobenzoyl)-L-leucinyl]amino]-1-[(2S)-4-methyl-2-[(4-fluorobenzoyl)amino]pentyl]-3-pyrrolidinone;

4-[[N<sup>α</sup>-(4-carboxybenzoyl)-L-leucinyl]amino]-1-[(2S)-4-methyl-2-[(4-fluorobenzoyl)amino]pentyl]-3-pyrrolidinone;

1-benzyl-4-[[N<sup>α</sup>-(4-carboxybenzoyl)-L-leucinyl]amino]-3-pyrrolidinone;

1-benzyl-4-[[N<sup>α</sup>-(4-carboxymethyl)benzoyl)-L-leucinyl]amino]-3-pyrrolidinone;

4-[[N<sup>α</sup>-(4-carboxymethyl)benzoyl)-L-leucinyl]amino]-1-[(2S)-4-methyl-2-[(4-fluorobenzoyl)amino]pentyl]-3-pyrrolidinone;

1-phenethyl-4-[[N<sup>α</sup>-(2-amino- $\alpha$ -toluenesulphonyl)-L-leucinyl]amino]-3-pyrrolidinone;

4-[[N<sup>α</sup>-(2-naphthylcarbonyl)-L-leucinyl]amino]-1-benzoyl-3-piperidinone;

4-[[N<sup>α</sup>-(2-quinolinecarbonyl)-L-leucinyl]amino]-1-benzoyl-3-piperidinone;

4-[[N<sup>α</sup>-(3-isoquinolinecarbonyl)-L-leuciny]amino]-1-benzoyl-3-piperidinone;

4-[[[(2S)-4-methyl-2-(benzyl)oxy]pentanoyl]-1-[(2S)-4-methyl-2-[[[(benzyloxycarbonyl)]amino]pentanoyl]-3-piperidinone;

4-[[3-(2-pyridyl)phenylacetyl]amino]-1-[3-(2-pyridyl)phenylacetyl]-3-piperidinone;

4-[[N<sup>α</sup>-(p-trifluoromethanephensulphonyl)-L-leuciny]amino]-1-[3-(2-pyridyl)phenylacetyl]-3-piperidinone;

4-[[N<sup>α</sup>-(2-naphthylsulphonyl)-L-leuciny]amino]-1-[3-(2-pyridyl)phenylacetyl]-3-piperidinone;

4-[[N<sup>α</sup>-(3,4-dichlorophenylsulphonyl)-L-leuciny]amino]-1-[3-(2-pyridyl)phenylacetyl]-3-piperidinone;

4-[[N<sup>α</sup>-(methanesulphonyl)-L-leuciny]amino]-1-[3-(2-pyridyl)phenylacetyl]-3-piperidinone; or

4-[[N<sup>α</sup>-(4-fluorophenylsulphonyl)-L-leuciny]amino]-1-[3-(2-pyridyl)phenylacetyl]-3-piperidinone;

or a pharmaceutically acceptable salt thereof.

18 (Currently amended). A pharmaceutical composition comprising a compound according to ~~any one of~~ claims 1 to 17 and a pharmaceutically acceptable carrier.

19 (Original). A method of inhibiting a cysteine protease which comprises administering a compound according to claim 1.

20 (Original). A method according to claim 19 wherein the cysteine protease is cathepsin K.

21 (Original). A method of inhibiting bone loss which comprises administering a compound according to claim 1.

22 (Original). A method of treating osteoporosis which comprises administering a compound according to claim 1.

23 (Original). A method of treating gingival or periodontal disease which comprises administering a compound according to claim 1.

24 (Original). A method of treating a disease characterized by excessive cartilage or matrix degradation which comprises administering a compound according to claim 1.

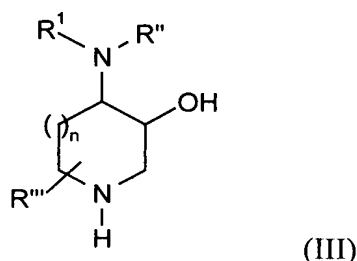
25 (Original). A method according to claim 24 wherein said disease is osteoarthritis or rheumatoid arthritis.

Claims 26-33 (Cancelled).

34 (Original). A process for preparing a compound of the formula (I) as defined in claim 1, which process comprises:

(A) for compounds in which A is CH(OH):

(i) reacting a compound of the formula (III):



or a salt thereof,

wherein R<sup>1</sup>, R<sup>2</sup>, R<sup>3</sup> and n are as defined in formula (I) of claim 1, with any reactive functional groups protected, with:

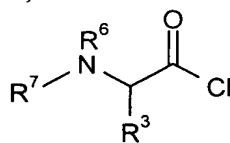
(a) R<sup>5</sup>C(O)Cl, in which R<sup>5</sup> is as defined in formula (I) of claim 1; or

(b) R<sup>5</sup>C(O)OH, in which R<sup>5</sup> is as defined in formula (I) of claim 1, in the presence of EDC and HOBT; or

(c) R<sup>5</sup>C(O)H, in which R<sup>5</sup> is as defined in formula (I) of claim 1, followed by reduction; or

(d) R<sup>5</sup>OC(O)Cl, in which R<sup>5</sup> is as defined in formula (I) of claim 1, in the presence of base; or

(e) R<sup>5</sup>SO<sub>2</sub>Cl, in which R<sup>5</sup> is as defined in formula (I) of claim 1, in the presence of base; or

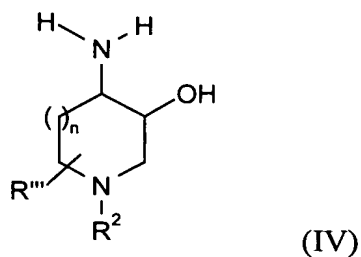


(f) wherein R<sup>3</sup>, R<sup>6</sup> and R<sup>7</sup> are as defined in formula (I) of claim 1; or

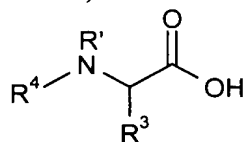
(g) adamantyl-C(O)Cl;

(ii) reacting a compound of the formula (IV):

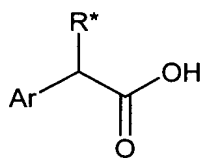




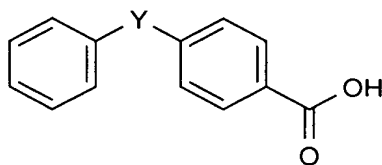
wherein R<sup>2</sup>, R''' and n are as defined in formula (I) of claim 1, with any reactive functional groups protected, with:



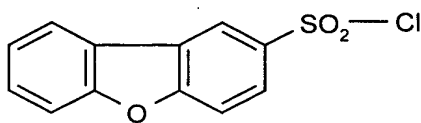
(a) , in which R<sup>3</sup>, R<sup>4</sup> and R' are as defined in formula (I) of claim 1, in the presence of EDC and HOBT; or



(b) , in which R\* is as defined in formula (I) of claim 1, in the presence of EDC and HOBT; or

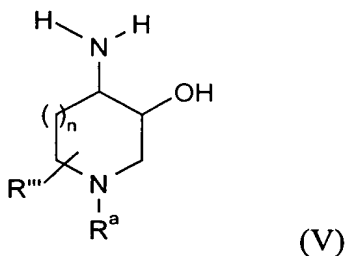


(c) , in which Y is as defined in formula (I) of claim 1, in the presence of EDC and HOBT; or

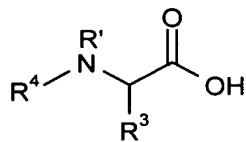


(d) ;

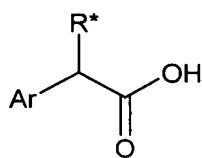
(iii) reacting a compound of the formula (V):



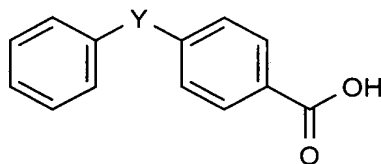
wherein R''' and n are as defined in formula (I) of claim 1, with any reactive functional groups protected, and R<sup>a</sup> is C<sub>1-6</sub>alkyl, C<sub>3-6</sub>cycloalkyl-C<sub>0-6</sub>alkyl, Ar-C<sub>0-6</sub>alkyl, or Het-C<sub>0-6</sub>alkyl with:



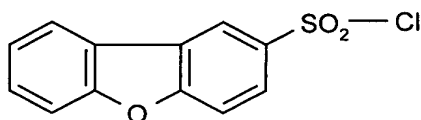
(a) , in which R<sup>3</sup>, R<sup>4</sup> and R' are as defined in formula (I) of claim 1, in the presence of EDC and HOBT; or



(b) , in which R\* is as defined in formula (I) of claim 1, in the presence of EDC and HOBT; or



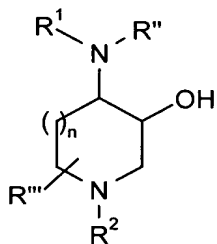
(c) , in which Y is as defined in formula (I) of claim 1, in the presence of EDC and HOBT; or



(d) ;

(B) for compounds in which A is C(O):

(i) reacting a compound of the formula~~aa1~~ (VI):



(VI)

wherein R<sup>1</sup>, R<sup>2</sup>, R'', R''' and n are as defined in formula (I) of claim 1, with any reactive functional groups protected, with an oxidizing agent;

and thereafter removing any protecting groups and optionally forming a pharmaceutically acceptable salt.